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Eechnical Note

18-14

QUARTERLY RADIO NOISE DATA
MARCH, APRIL, MAY 1962
AND
CORRIGENDUM FOR TECHNICAL NOTES
18-1 THROUGH 18-11

W. Q. CRICHLOW, R. T. DISNEY, AND M. A. JENKINS



U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS

THE NATIONAL BUREAU OF STANDARDS

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A complete listing of the Bureau's publications can be found in National Bureau of Standards Circular 460, Publications of the National Bureau of Standards, 1901 to June 1947 (\$1.25), and the Supplement to National Bureau of Standards Circular 460, July 1947 to June 1957 (\$1.50), and Miscellaneous Publication 240, July 1957 to June 1960 (Includes Titles of Papers Published in Outside Journals 1950 to 1959) (\$2.25); available from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

NATIONAL BUREAU OF STANDARDS Eechnical Mote

18-14

AUGUST 9, 1962

QUARTERLY RADIO NOISE DATA

MARCH, APRIL, MAY 1962

AND

CORRIGENDUM FOR TECHNICAL NOTES

18-1 THROUGH 18-11

W. Q. Crichlow, R. T. Disney, and M. A. Jenkins

NBS Boulder Laboratories

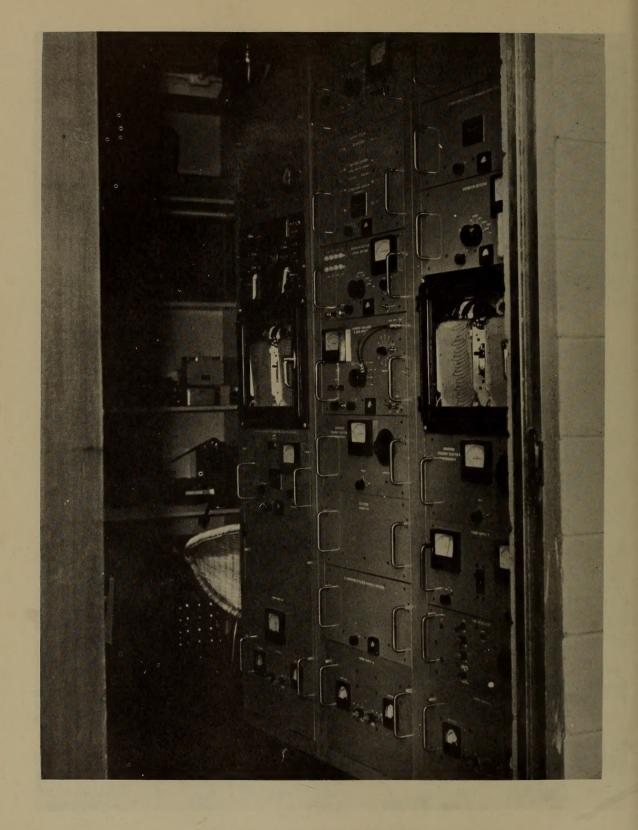
Boulder, Colorado

NBS Technical Notes are designed to supplement the Bureau's regular publications program. They provide a means for making available scientific data that are of transient or limited interest.

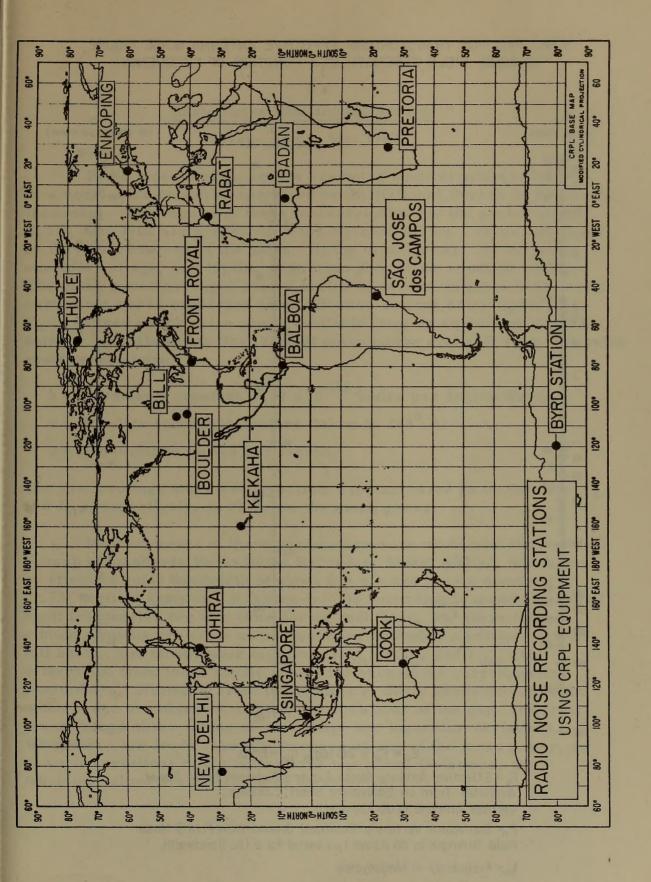
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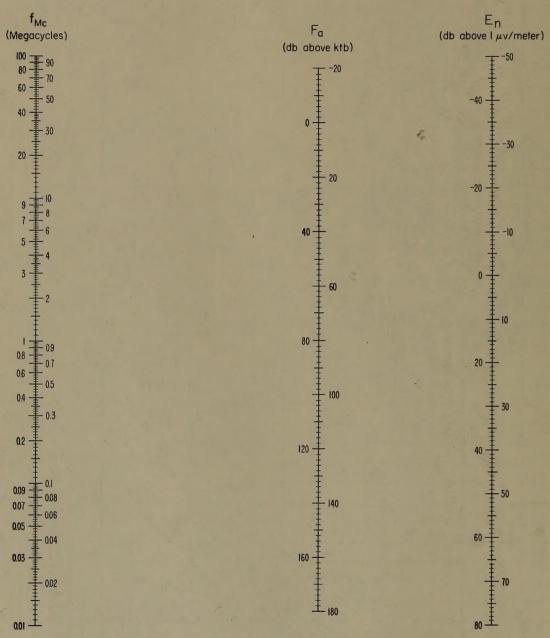
RADIO NOISE RECORDING STATION



ARN-2 ATMOSPHERIC RADIO NOISE RECORDER



NOMOGRAM FOR TRANSFORMING EFFECTIVE ANTENNA NOISE FIGURE TO NOISE FIELD STRENGTH AS A FUNCTION OF FREQUENCY



 $E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$

F_a = Effective Antenna Noise Figure = External Noise Power Available from an Equivalent Short, Lossless, Vertical Antenna in db Above ktb.

 E_n = Equivalent Vertically Polarized Ground Wave R.M.S. Noise Field Strength in db Above I $\mu\nu$ /meter for a I kc Bandwidth.

f_{Mc}= Frequency in Megacycles.

Radio Noise Data for the Season

March, April, May 1962

Radio noise measurements are being made at sixteen stations in a world-wide network supervised by the National Bureau of Standards (see map). The results of these measurements for the period March, April, May 1962 are presented in the attached tables. These are based on three parameters of the noise: (1) the mean power, (2) the mean envelope voltage, and (3) the mean logarithm of the envelope voltage. The mean power averaged over a period of several minutes is the basic parameter and is expressed as an effective antenna noise figure, F_a . F_a is defined as the noise power available from an equivalent lossless antenna in db above ktb (the thermal noise power available from a passive resistance) where

k = Boltzman's constant (1.38 x 10⁻²³ joules per degree Kelvin)

t = Absolute room temperature (taken as 288° K)

b = Bandwidth in cycles per second.

The mean voltage and mean logarithm are expressed as deviations, V_d and L_d , respectively, in db below the mean power.

Measurements of these parameters were made with the National Bureau of Standards Radio Noise Recorder, Model ARN-2, which has an effective noise bandwidth of about 200 c/s and uses a standard 21.75' vertical antenna. A fifteen-minute recording is made on each of eight frequencies two at a time during each hour, and these fifteen-minute samples are taken as representing the noise conditions for the full hour. The month-hour medians, F_{am} , V_{dm} , and L_{dm} are determined from these hourly values for each of the corresponding parameters. Normally from twenty-five to thirty observations of the mean power are obtained monthly for each hour of the day, and from ten to fifteen observations of the voltage and logarithm deviations. When there are fewer than fifteen observations of the mean power, or seven observations of the voltage and logarithm deviations, the tabulated values are identified by an asterisk.

The upper and lower decile values of F_a are also reported in the following tabulation to give an indication of the extent of the variation of the noise power from day to day at a given time of day. These are expressed in db above and below the month-hour median, F_{am} , and designated by D_u and D_ℓ , respectively.

Time-block median values of noise are tabulated on a seasonal basis, and are obtained by averaging all month-hour medians for the season within a particular four-hour period of the day. The time-block values conform to the seasonal-time-block values used in C.C.I.R. Report No. 65 (see attached references).

F_a in db is related to the rms field strength at the antenna by the following equation:

$$E_n = F_a + 20 \log_{10} f_{Mc} - 65.5$$

where

 E_n = the equivalent vertically polarized ground wave rms noise field strength in db above 1 $\mu\nu/m$ eter for a 1 kc bandwidth. f_{Mc} = the frequency in megacycles/second.

The nomogram given may be used for this conversion.

The values presented in the tables reflect the actual measured radio noise; in some instances the atmospheric noise level may be contaminated by man-made noise or station interference. The parameter that will first reflect any such contamination will be the logarithmic parameter, Ld. This contamination generally will cause the value of Ld to be less than it would have been, had the recorded value been only atmospheric noise. In determining the amplitudeprobability distribution from the three measured moments [10], contaminated values of Ld may be found that will not give a solution of the amplitude-probability distribution. When this occurs, it is suggested that the measured value of Ld be ignored and the most probable value of Ld from the curve on the graph of Ld vs. Vd be used. The most probable value has been determined as the best fit for the integrated moments from over sixty measured amplitude-probability distributions of uncontaminated atmospheric radio noise. The second curve on the graph indicates the minimum value of Ld that will give an amplitude-probability distribution by the method in reference 10, and

can therefore be used to determine whether the measured value or the most probable value of L_d for any value of V_d should be used.

Station clocks are set to a local standard time (LST) which is taken from the time zone in which the station is located and is always an integral number of hours different than universal or Greenwich time (see table on page 5).

These preliminary data values are presented in order to expedite dissemination of the data. Additional analyses, in which an attempt is made to eliminate contaminated data, are presented in other publications.

Stations in the recording network were operated by the following agencies:

NBS - Bill, Wyoming; Boulder, Colorado; Byrd Station; Front Royal, Virginia; Kekaha, Hawaii

Signal Corps, U. S. Army - Balboa, C. Z.; Thule, Greenland

Postmaster General's Department (Australia) - Cook

Board of Telecommunications (Sweden) - Enkoping

DSIR (Great Britain) and University College Department of Physics (Nigeria) - Ibadan

Ministry of Communications, Wireless Planning and Co-ordination Organisation - New Delhi

Radio Research Laboratories (Japan) - Ohira

Telecommunications Research Laboratory (South Africa) Pretoria

Institut Scientifique Chérifien (Morocco) - Rabat

Instituto Tecnologico de Aeronautica (Brazil) - São José dos Campos

Department of Scientific and Industrial Research (Great Britain)
- Singapore, Malaya

The assistance of the station operators and other personnel of these agencies in obtaining the data contained in this report is gratefully acknowledged. The following publications contain additional information on radio noise:

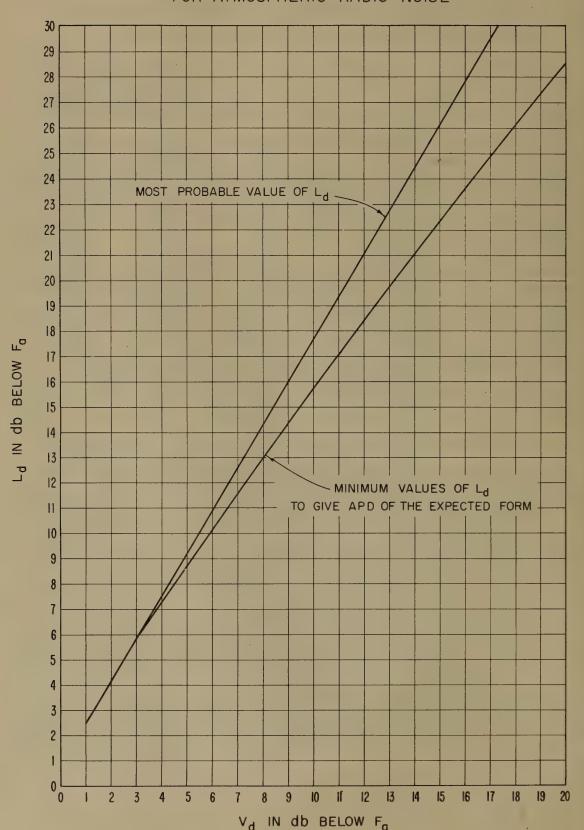
- 1. W. Q. Crichlow, D. F. Smith, R. N. Morton, and W. R. Corliss, "Worldwide Radio Noise Levels Expected in the Frequency Band 10 Kilocycles to 100 Megacycles," NBS Circular 557, August 25, 1955.
- 2. "Report on Revision of Atmospheric Radio Noise Data," C. C. I. R. Report No. 65, VIIIth Plenary Assembly, Warsaw, 1956 (International Radio Consultative Committee, Secretariat, Geneva, Switzerland).
- 3. A. D. Watt and E. L. Maxwell, "Measured Statistical Characteristics of VLF Atmospheric Radio Noise," Proc. IRE, 45,1, 55 (1957).
- 4. W. Q. Crichlow, "Noise Investigation at VLF by the National Bureau of Standards," Proc. IRE, 45,6, 778 (1957).
- 5. A. D. Watt and E. L. Maxwell, "Characteristics of Atmospheric Noise from 1 to 100 kc," Proc. IRE, 45,6, 787 (1957).
- 6. F. F. Fulton, Jr., "The Effect of Receiver Bandwidth on Amplitude Distribution of V. L. F. Atmospheric Noise," National Bureau of Standards, VLF Symposium Paper 37, Boulder, Colorado, 1957.
- 7. H. E. Dinger, "Report on URSI Commission IV Radio Noise of Terrestrial Origin," Proc. IRE, 46,7, 1366 (1958).
- 8. A. D. Watt, R. M. Coon, E. L. Maxwell, and R. W. Plush, "Performance of Some Radio Systems in the Presence of Thermal and Atmospheric Noise," Proc. IRE, 46,12, 1914 (1958).
- 9. W. L. Taylor and A. G. Jean, "Very-Low-Frequency Radiation Spectra of Lightning Discharges," NBS J. of Research-D. Radio Propagation, 63D, 2, 199 (1959).
- 10. W. Q. Crichlow, C. J. Roubique, A. D. Spaulding, and W. M. Beery, "Determination of the Amplitude-Probability Distribution of Atmospheric Radio Noise from Statistical Moments," NBS J. Research-D. Radio Propagation, 64D, 1, 49 (1960).
- 11. Tatsuzo Obayashi, "Measured Frequency Spectra of Very-Low-Frequency Atmospherics," NBS J. of Research-D. Radio Propagation, 64D, 1, 41 (1960).

Data included in this report and the standard time for each station are as follows:

Station	Data		Time Zone	To Convert LST to GMT (hours)
Balboa	March April May		75 W 105 W	+05 +07
Bill Boulder	January Februar March April May		105 W	+07
Cook	March April May		135 E	-09
Enkoping	March April May	1962	15 E	-01
Front Royal	March April May	1962	7 5 W	+05
Kekaha	March April May	1962	150 W	+10
New Delhi	February	1962	75 E	- 05
Ohira	March April May	1962	135 E	-09
Pretoria	March April May	1962	30 E	-02
Rabat	March April May	1962	GMT	0
Singapore	January	1962	105 E	-07
Thule	March April	1962	7 5 W	+05
Warrensburg	March April May	1961	90 W	+06
	July August	1961		
	Sept Oct Nov	1961		
	Dec Jan Feb	1961-62		
	March April	1962		

Previous data from the NBS World-Wide Network have been published in the following Technical Note 18 series:

- 18-1 July 1, 1957 December 31, 1958
- 18-2 March, April, May 1959
- 18-3 June, July, August 1959
- 18-4 September, October, November 1959
- 18-5 December, January, February 1959-60
- 18-6 March, April, May 1960
- 18-7 June, July, August 1960
- 18-8 September, October, November 1960
- 18-9 December, January, February 1960-61
- 18-10 March, April, May 1961
- 18-11 June, July, August 1961
- 18-12 September, October, November 1961
- 18-13 December, January, February 1961-62



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Fam = median value of effective antenna noise in db above ktb

 D_{u} = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

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USCOURTHES-PL

USCORB-NBS-RL

 $r_{\rm cm}$ = median value or effective antenna noise in do above ktb $B_{\rm u}$ = ratio of upper decile to median in db $D_{\rm g}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

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MONTH-HOUR VALUES OF RADIO NOISE

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		Vdm Ldm	2.0	9.	0.0		۵.۶	,5./	30	۵.	1.5	3.0	4.0	2.5	3.0	3.0	5.0	4.0	4.5	3.0 5.5	4.0	2.5	2.0 4.0	3.0	0.0	2.5	
	01	DE	4	9	9	7	9	7	7	7	4	00	00	∞	-9	00	9	7	\sim	η	\sim	5	7	7	7		
		Du	~	7	7	9	4	~	4	4	4	4	00	91	14	14	10	4	5	η	7	~	9	٠,٧	Λ	1	
		Fam	53	15	53	15	49	47	45	141	37	37	35	35	35	37	14	45	18	20	51	52	15	3	53	5	
		Vdm Ldm	5.5	7.5	7.5-	7.5	7.5	× × ×	* 00	± //.0	3.5	**	* 7.		* ~	* S.	7.0	* 8.5	\$00	\$0.0	5.0	6.0	· * *	4.0	¢.0	*3:	
			3.0	4.0	40	4.0	4.0	47.0	4.0	*′.	2.5	4.8	₩. 0		٠¢ د ب	\$0.0	\$.0	6.0	\$.0	4.5.5	₩	ە. ك.	\$ 8	2.4 0.0	から	پ* بر	
	5	7 _Q	4	7	78	7	~	4	12	9	و۔	11	9	00	9	0	6	00	9	7	Μ	4	$^{\gamma}$	8	76	12	
		Du	V	8	4	9	4	7	ω	7	7/	/3	7	156	25/	28	22	12	10	9	9	7	7	7	Þ	0	
		Fam	1	19	19	19	19	5.6	56	49	43	42	39	39	37	39	43	45	49	55	59	19	63	63	19	63	
		Ldm	7.0	* 6	*6	*0	6.0 11.0	* 0.0/	10.0/	16.0	140 18.0	* 2.5	*0	14.5	* 0.2	11.0	*15	10.014.0	+15.5	*	* //·5	9.5	10.0	9.0	*5	15.	
	2	De Vam	77.	*3:	\$50	*S.3	6.0	*~	10.0	10.	140	0	ه ه کا *	*0.	*~	*00°	*~! 2	10.0	40,	*×.	`~' •~•	6.0	6.0	2.0	* 2.0	4,0	
	2.	Za	9	7	9	2	4	7	14	20	18	16	10	00	00	16	20	17	8/	-	6	00	1	1/2	9	7	
(Mc)		no	~	7	9	9	00	9	9	10	9/	16	77	$\tilde{\sim}$	39	30	78	19		5		7	0	7	9	7	
		Fam	69	69	69	69	69	11	63	57	49	45	39	37	39	45	15	54	5.5	3	53	66	67	67	68	125 69	
Frequency		* Ep	0.8/	13.0	19.0	195	1751	19.0	18.0	8.0 185		0.40	12.5 18.5	145 240	11.0/8.0	11.0 18.0	10.0 18.0	/3.5	10.5/4.0	12.0 19.5	0.0/170	9.0 135	8.5 15.5	7.5/35	14.0	12.5	
edn	5	* mp/	9.5	85	11.0	10.5	9.0	10.0	8.0	8.0		14.0	2.5		11.0		0.0/	7.0			0.0/	9.0	5:0	7.5	8.0	6.5	
F	495	70	00	9	7	6	6	8	20	19	20	9/	14	, ,	14	18	18	15	7	/3	2	2	~	72	9	7	
		n _O	00	00	00	00	00	9	10	5	0/	74	9/	~	مي	18	15/	/3	/3	1	10	2	7	2	10	00	
		Fam	102	00/	100	100	100	107	76	96	96	92	90	8	90	96	96	96	96	93	46	95	90	98	8.5 14.0 100	100	
		DZ Vdm Ldm	16.0	14.0	4 /6.0	* 6.0	14.0	10.0 17.5	+ 24.0	22 4 2.0	12.0 21.5	14.5 27.0	15.0 27.0	140 245	40.0	17.0	12.0 20.5	13.0 18.0	12.0/9.0	13.020.0	18.5	/b.0	1,0	10.5	14.0	12.5	
		Vdm	9.0	#80	* 6	*90 12	7.0	* 10.0	140	* 3.		14.5	*	¥	* 3.	10.5	* 0.E	13.0	13.0	13.0	4/1.0	to	°€ \$	6.0	8.5	2.5	
	.160	70	~	12	7	9	5	Ĺ	28	22	70	25	61	17	61	19	7	14	∞	0/	0	•	9	9	0	9	
		Du	00	8	12	9	12	00	6	00	12	1	5	7	180	119	7/8	0/	2	14	10	0/	2		<i>></i>	2	
		Fam	122	122	122	/22	122	120	1/8	14.0 000 116	114	511	105	80/	//3	115	120	118	811 0.81 0.11	11.0 /8.0 112	9.0 17.0 114	10.0 15.5 116	140 120	7.5/3.0 120	727	8.0 12.5/ 122	
		Dr Vdm Ldm	9.0 15.0	9.0 150	14.0	10.0 15.5	1,5:5	18:0	140 180	\$ 28	14.0 4.0	15.0 23.0	15:5 4:0	10 14.0 20.0	12.0 18.0	11.5 18.0	11.0 20.0	4.5 16.0	*0.0	18:0	17.0	15.5	* <u>1</u>	1× 0	13.0	12.5	
		Vdm	9.0	9.0	4.0	40.0/	4 4	0.41	140		14.0	15.0		14.0		11.5	0.1/	* 2.5	*/		9.0	10.0	*0.	*v.	8.5	8.0	
	0.51	Za	9	9	9	9	2	00	7	13	11	91	10	0/	13	8	6	%	0/	7	5	2	9	6	7	00	
		n _O	7	7	9	, 7	12	9	00	00	7	9	14	17	2	14	7	8	9	00	0	00	9	~	00	9	
		F _a	14	141	141	141	141	141	139	137	/33	137	131	737	135	135	137	139	141	137	135	137	139	140	139	141	
		Vdm Ldm	11.0 18.0 141	11.5 17.5	95/5.0 141	10.0 16.0	4.0 4.0	* * 10.0/	11.017.0	11.0/7.0	12.0/7.0	15.522.0	12.017.0 131	# 14.0/7.0 14.0/7.0	13.0/8.0	11.0 17.0 135	10.0/7.0	11.0/1.0	11.0 18.0	9.5/5.0/37	9.5/5.0 135	10.0 16.0 137	9.0 15.0 139	7.5 12.5	8.5 140	4 11.0 17.6 141	
		V _{dm}	*		*0.	10.0	*0	*0.0	*/	*	*X		*4		¥ 5.	11.0	0.0/	1/.0	* .0	*0	9.5			7.5	8.5	11.0	
				-9	3	9	2	0	7	7	7	12	7	(ک	7	7	7	~	7	~	~	2	12	7	7	7	
	013	70	7			_																1					
	. 013	n _O	~	اک	e	4	ری	72	7	1 5	9	9	S	7 7	7	0	7	2	~	~	ام	100	~	17	9	7	
		}						05 162 5	h 091 90	2 /5/ 20	9 851 80	9 851 60	10 15-6 8	1577	12 158 7	13 160 6	14 162 7	15 162 6	16 164 2	164 3	18 160 5	19 160 5	20 162 2			23 160 7	

 $F_{\rm dm}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\mathcal K}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

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ISCOMPLIES-PL

		DV Vd																								
	20	o na																								
		Fam D	36	47	5.5	37	14	36	45	hh	36	31	34	37	45	E SE	42	33	44	40	5.0	39	32	40	97	5-0
	-	_	<i>(J)</i>	2	٧,		7	741	<u>'')</u>	7		~	~;		7	1)	,		7	4	ν,		(''	4	7	*
		D& Vdm Ldm																								
	10	Dr																								
		n _O																								
		*mo_	32	3	32	36	ž	34	36	36	36	36	36	40	45	53	40	57	90	44	34	34	43	14	39	4,
		Vdm 1-dm																								
		Vdm																								
	5						_																			
		Fam Du	84	0	Ç	50	K	570	50	84	42	36	ď	٥	47	Q	7	9	32	25	٠,	و	57	3-6	76	76
	-	Ldm F	7	50	2	رک.	 .2	.2	.2	7	7	~	32	30	7	940	44	94	5	<u>ی</u>	5.6	5-6	2	رى_	5,7	5,5
		Vdm L		-																						
	2.5	~																								
(Mc)		Du																								
1		Fam	18	مک	48	46	44	46	44	1/h	34	34	30	28	32	34	3	35	36	14	44	45	45	47	47	47
Frequency		Ldm																								
edu	5	\dm \dm																					-			
Įů.	495							_	_																	
		* E	0	9	10	10			~	~	7	2	~	~	5-5		3	5	7	7	49	7	2	~	2	.0
	-	П	80	79	75	75	73	70	63	5.3	54	53	5.3	7	5	19	53	5-9	9	57	9	9	70	73	75	8
		dm Ld																								_
	160	Dr Vdm Ldm Fam																								
	-	Du																								
		* 60 %	46	97	95	2	16	B	85.	73	70	67	69	2	11	73	77	16	75	26	18	80	Z	00	90	46
		De Vam Lam																								
	0.51	<u> </u>																								
		D.	6	9	0	0	0	5	00	*	2		2	10	7	_	0	7	2	2	7	ļ	7	7	10	2
	-	n Fam	611	120	120	120	119	6//	118	114	107	101	99	95	94	101	96	0	97	103	10	() (117	117	115	1117
		Vdm Ldm																								
	~																									
	013	Du																								
		*au	145	147	841	Lh1	145	141	thi	145	142	141	10 /38	138	139	141	139	137	/37	141	139	138	141	139	145	23 145
(1)	ST) ·	+	00	0	02	03	04	02	90	20	90	60	0	=	12	5	4	15	9	1	-18	6	20	21	22 145	23

19 62

Month January

Lat. 43.2N Long. 105.2W

Station Bill, Wyoming ...

MONTH-HOUR VALUES OF RADIO NOISE

 F_{om} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

19 65
February
Month
105.2W
2N Long.
Lat. 43.2
Station Bill, Wyoming
NOISE
RADIO
P
VALUES
OUR
NTH-HOUR

			Vdm Ldn																								
																		3									
		20	70 I	7 8	M	3	3	9	1 0	7	7 0	9	9 +	4 6	7	9 1.	0 9	1 51	7 7	16 4	4 91	7	203	2	7 4	7	7
ł		}	n Du		9/ ×	7	30 19	34 16	30 20	1/8	91 /	6 14	71	36 14	195	41 9	40 10	35 /	36 24	34 /	7 75	_	3/2	2 /8	_	8	7/7
	-		Fam	3	32	32	~	~	Δ_	32	34	36	36	~	^7	36	7	Α,	^>	1	_^ <u>`</u>	3	Λ.	32	32	20	2
			Vdm Ldm																								
							1				_	1-						10	-	-		_		-	1	١.	~
		10	DE	24	115	/3	15	6/	2	16	14	15	1/8	17	15	6	14	15	18	18	2	17		619	74	75,	2
			n Du	12	6/ 8	08/	18	00	7	9	7	7	7	9 6	00	4	2	7	j 4	9	00	3/0	8/	70	9/6	- 17	7
	-		Fam	49	43	41	40	47	1	45	96	44	1/	39	39	7	3	45	64	53	53	53	7	14	49	45	24
			Vdm Ldm																								
			/dn														-1							-		6	
		5	70	/3		/3	15/	7	7	9/	7	7	77	1,0	6	6	12	/2	10	18	7	~	14	15	12	20	
			o u	9	و	7	12	2	n	l ₃	5	0	5	2	3 4	7	7	9	0/	4	9	7 4	9	へ	3 6	20	10
			Fam	5.79	5.9	19	19)	09	15.5	5.0	43	37	,×	33	35	35,	36	37	47	15.2	5.5	5-5	19	5.5	5-9	5-5
			n Ldm																								
			Mp/																				~				
		2.5	J _Q	00	9	00	00	0	1		12	7	~	~	_	0	7	8	3	~	7	0/	12	10		9	0
(NAC)	2 2		Du.	7	/3	1, 13	1/2	6	12	2	7	2	~	7	7	R	γ	8	7	12		10	9	00	1	7	10
			Fam	5_1	5.0	50	5,	5	47	2	42	36	36	36	36	36	38	38	20	38	40	84	5	S	5.5	15	S
Fromion		ļ	n Ldm														_										
0	מלו		mb/																				,				
L		495	J _Q	/3	0	8	00	00	6	10			w	1			00	9	00	∞	14	14	18	3 //	70/	2	6
		Ì	n Du	-	1	117	13	9/0/	0/	2 /0	- la	1	6	و۔			7	00	7		11	17	0/ 6	7 13	2	7/ =	3 19
	=		Fam	83	80	199	77	79	11	63	* 5.5	25,	75	5.3	*5	200	57	57	5.7	55	65	69	7;	7	77	83	29
			mp-l																								
			Vdm																								
		160	70	/3	13	10	7	10	00	7	00	5	0	7.	0	2	%	19	15	17	1 %	18	80	6/	17	0/	8
			ם ר	0/ 1	14	- /3	13	7	1,3	9	7	17	14	41	19	00	9	-	7 17	7	11	00	7	00	41 46	7	45/14
	-		Fam	97	95-	95	93	93	89	83	75	11	11	73	70	77	8	00	7,	199	187	93	16	67	94	93	95
			D& Vdm Ldm																								
			Vdm									1		1													
		051		7	6	7	~	72	5	00	7	ρ. 1	17	12	~		6	14	~	/3	17	17	16	7	-	-	1
			n Du	0//	3	9	7	9	9	w	7	2	0/1	9 /3	1 23		b +	115	18	1 /3	K//	1	7	7	00	5	01 0
	-		Fam	7	۲۲/	123	123	123	?	6//	//3	107	101	99	97	*00/	401	107	705	109	111	121	120	123	122	123	(K)
			Vdm Ldm																								
			V Vdm	,																							,
		013	γ _O	10	7	2	72	Μ.	7	4	ω.	7	~	~	8	4	9 2	12	9	1	00	7	00	6	7	7	12
			m Du	7	7 0	2	70.	30	m	~	w	7	7	7	0/0	0/ 7	7	6	4 10	4	4	2	7	7	5	08	9 6
		7)	Fam	8H1 C	150	2 150	3 150	4 148	05 148	3/1/8	146	8 144	541	7 142	140	7/1/2	144	hh/ 1	144	144	145	3 146	146	8/11 (841	841	23 149
[(]	LS	1) 1	noH	8	0	02	03	04	ő	90	07	80	60	0	=	12	13	4	15	91	1	8	6	20	2	22	23

 F_{0m} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{R}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of overage logarithm in db below mean power

RN-13

USCOME NES-PL

			Vdm Ldm																									
			7 _Q																									
			Du																									
			Fam																									
			Vdm Ldm																									
			Vdm																									
			DR																									
			n _Q																									
			Fam																					^e q				
			Ldm	10.0	*	10.0	8.0	9.0	\$00 00	9.0	6.0	5.0	4,5	5.0	* 5.	* 15	6.0	*10	*12	6.0	5.09.0	6.0 10.0	9.5	10.0	\$ 25	10.0	7.0 12.0	
			Vdm Ldm	6.0	75,	6.0	*50	5.5	1,55	5.0	4.0	15.5	* ~.	12.5	* M	* %	4.0	*^;	*~) ?	4,0	5.0	6.0	5.0	6.5	2.5	5.0	2.0	
			D	4	٦	4	4	9	~	٥	۲	ħ	\sim	7	5,	h	7	ħ	~	7	ری	5	9	9	7	ħ	5	
		72	n _O	00	00	12	-9	9	00	15	7	2	9	10	6	9/	0/	0/	0	10	9	7	7	5	12	5	9	
			Fam	25	25	8.5	8-5	3.8	5.2	50	42	40	38	40	141	940	40	40	3	hh	50	5-6	55	8_5	85	8-5	5.5	
			Vdm Ldm	2.50	9.0	5.5 10.5	*0.	7.5	7.5	* 5.5	4.5.5	5.0	* 6.		* 75.	4.5	5:0	* 15.2	450	6,0	7.0	7.0	2.0	9.0	*00	\$ °°	9.0	
				5.0	5.0	5.5	6.0	4.5	5,5	* 5.	* 0.7	3.0	*3.	* 7	*2.	£ 5	*M	*×;	* 5°	40	5.0	4.5	2.0	6.0	*150	4.0	4.0	
I		2.5	D	7	5	1	4	200	7	4	7	8	7	12	00	4	. 12	7	9	0	4	5	7	e-	9	t	7	
I	(Mc)		ηO	14	/3	10	0/	2	5	5	9	00	1~	17	7	14	7	13	7.7	13	90	10	7	14	14	4	13	
I			Fam	33	5-5	19	5-7	5-6	5	49	47	45	47	18	5.3	15	5,	چک	1.5	12	1-2	57	5-9	5.6	5-6	5-5	5-9	
	Frequency		-dm																									
	edn		V _{dm}																									
	Ŧ		70																									
			n _o																									
			Fam																			-,-						
			D& Vdm Ldm	14.0	15.0	130	16.5	¢ (6.0	13.0	13.5	7.5	7.5	*/	10.0	%	6.0	4 0 7	7,5	6.0	6.0	11.0	13,5	14.0	10.0 17.5	14.0	9.5/75	9.0 15.0	
			Vdm	7.5	8.0	7.5	8.0	8.5	8.5,	*0.	2.0	4.0	*v.	4.5	6.0	2.5.	*2	4.5	2.5	3.5	5.0	7.5	7.5'		9.0	9.5	9.0	
		.160	-	3	6	00	00	10	9	9	7	9	9	1	0/	2	6	و	0	00	00	7	17	10	Ĺ	00	00	
I			Du	9/	14	14	9/	_		15,	رد		17	_	1.	15	23	25	26	26	14	14	10	15-	10		18	4+3
I			Fam	103	100	101	97	95	150	77	73	73	75	19	29	28	80	77	29	27	6,8	97	102	100	101	102	101	976
			DZ Vdm Ldm	16.0	17.0	10.0 17.0	8.5 16.5	10.0 16.5	10.5 17.0	10.5 18.5	11.0.175	11.0 18.0	0.61	11 11.0 17.5	12.0 18.0	9.0 16.5	11.0/8.0	9.5-16.0	10.5/7.0	11.0 17.0	9.5 15.5	16.5	8.5 16.5	10.0/75	15.0	8.5 150	8.5 140	do do ai
-			Vdm	9.0	70.5		8.5	10.0	10.5	10.5		_	13.0	11.0	12.0	9.0	=	_			_	9.0	8.5	10.0	8.5	°	8.5	ai eaica
		. 051	70	η.			00	1,5	7	9	9	00	1			6	10	11	13	/3	1	0	00	7	9	2	00	5
			n _o	5	// //	2	7			10	14	81 401	15/			14	11	13	18	19	16		0	2	10	9	01/	antar
			Fam	727	124	124	TC!	19.0 122	3//	911	801		to1	501	107	17.0 107	108	801		109	7/2	811	(22	122	(2)	77	40/	activa
			Vdm Ldm	11.0 18.0	12.0 18.0 124	18.0	11.0 17.5	19.0	19.0	0.61	11.5 17.0	5.81 5.61	12.0 17.0	201 0.51 2.01	11.0 17.0 1107		10.0 16.0 108	10.0 155	11.0 17.5	11.5-17.0 109	12.018.0	11.0 17.0	12.0 19.0	12.0/8.0	13.0 19.0	KE1 0.61 2.61	12.5 18.0 124 10	ال مواد
			Vdm	تحصم		11.5	1/.0	12.5	12.51	12.5	11.5	12.5	12.0			5.11	10.0	10.0	0.//		0.0	11.0	0.81	12.0	13.0		12.5	= median value of effective antena
		013	70	γ	~	n	m	w	2	W	9	৽	9		_	12	~	9	7	w	9	-9	00	9	9	5	7	idn ve
			n _O	00	9	1/2	رک	2	رک (0	9	12	~	2	7 7	7	9	7	2	00	12	7	7	7	2	2	2 6	med.
			Fam	152	157	501	152	150	150	841	841	841	841	841	149	150	841	150	841	141	148	150	15.2	15.2	15.2	152	152	
	(TS	¬) ⊿	noH	8	0	02	03	04	05	90	07	90	8	0_	_	12	13	14	-5	9	17	<u>∞</u>	6	20	2	22	23	

Month March 1962

Station Boulder, Colorado Lat. 40.1N. Long. 105.1W.

MONTH-HOUR VALUES OF RADIO NOISE

 F_{qm} = median value of effective anienna noise in db above ktb D_{μ} = ratio of upper decile to median in db $D_{\mathcal{A}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

Vdm Ldm 70 Pa Ldm Fam Wb/ DE a Fam

4.5

3.0

7

15

5.0

2,5 3.0

2 -

3,0 6.0

7

3.0 4.5 2.0 3.0

7 7 7 7

9.5

0.6 0:// 13.0 13.5

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25 45 3.5

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47 14

2.5 45

7

38

2.0 3.5

47 47 5.0 3,5 6.0

2.5

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20

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7

2.0 3.5

10 73 7 6/

8.0 Xx

2 0

15

*5 45 42

29 5/

5,5 145 0.0 1/5/

4,0

7

44

2.0 4.0

7 3 7

6.0

3.0

2.5 5.0 44

15:6 0.6

5.0 45

7

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26

3.0 5.0 6.5/1/5

17 0

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1962

Month April

mp-

Vdm V

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Fam

Ldm V_{dm} Za 2 Fom Ldm

6.0 11.0

7

56

4.0 8.5

7

15.0 15.0 16.0 15.27 18.0

C S Hour (LST)

02 03 04 05 90 07 90 60 0

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55

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40 45

555 54 47 45-

12.5

0.//

30

5.0

Station Boulder, Colorado Lat. 40.1N Long. 105.1W

(Mc)

Frequency

MONTH-HOUR VALUES OF RADIO NOISE

	Vdm	9.0	9.0	8.5	9.0	9.0	7.0	5.5	2,5	5.0	6.0	2.5	7.5	6.9	5.5	6.0	6.0	6.0	6.0	7.5	6.0	7.5	7.0	9.0	8.0	
160	7 ₀	15	14	16	16	16	18	19	61	16	1/2	61	15	20	16	16	17	20	7	77	/3	15	10	17	17	
·	Du	~	7	8	7	11	18	17	17	19	14	15	77	19	22	イ	21	18	16	14	7	0/	/3	10	0	ktb
	Fam	107	106	110	110	102	90	28	98	18	98	90	88	92	90	16	92	46	100	104	111	0//	108	101	111	above k
	Ldm	18.0	18.0	17.0	17.5	17.5	0.9/	17.0	17.5	18.0	18.5	18.5	17.0	17.0	76.5	17.0	16.0	79.91	145	15.0	15.0	14.5	17.5	18.0	16.0	db db
	Vdm	9.5	10.0	10.0	10.0	11.0	9.0	9.0	0.//	0.0	11.5	0://	10.0	10.0	10.0	10.0	9.0	10.0/6.5	8.0	0.0/	8.5	9.0	10.5	9.0	10.0	
051	7 _Q	11	11	10	10	00	11	12	16	12	0/	6	0/	72	11	11	6	7	16	/5	10	00	5	//	Í	antenna noise in
	Du	11	00	00	Do	10	8	0/	15/	15	7	0/	14	14	10	0/	9	11	12	00	12	~	~	00	7	nntenn
	Fam	130	131	/3/	131	127	126	17/	8//	114	117	511	511	10/	125	125	127	25/	129	130	/3/	131	130	/3/	132	
	Ldm	19.0	17,5	18.0	18.0	17.0	17.5	16.0	17.0	17,5	18.0	16.5	16.5	17,5	17.0	17.0	17.0	16.0	16.5	18.0	17.5	76.5	17.5	17.0	16.5	effective
	Vdm	11.5	//.5	71.5	12.0	70.5	12.0	10.5	11.5	51/5//	13.0	1.5	11.5	12.0	1/.0	7/,5	5://	0.//	10.5	12.0	0.//	11.0	12.0	120	11.5	median value of
013	70	9	9	9	9	5	~	5	00	4	7	7	η	4	6	9	9	12	7	4	9	7	4	5	5	in val
	Da	2	2	e	7	6	9	15	4	9	7	2	8	7	00	10	8	9	10	11	6	11	4	12	2	medic
	Fam	156	156	15%	15-6	15.5	154	153	154	152	151	15.2	152	154	15-6	15-6	15%	155	154	152	155	154	154	154	158	Fam =
		_	==		=		_		=	==													_			ш.

12

2 4 2 9 17 8

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 $\mathsf{D}_{u} = \mathsf{ratio}$ of upper decile to median in db $\mathsf{D}_{\mathscr{L}} = \mathsf{ratio}$ of median to lower decile in db

Lam = median deviation of average logarithm in db below mean power V_{dm}= median deviation of average voltage in db below mean power

RN-13

* 5.5. 8.0 10.0

5.0 10.0 56

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MONTH-HOUR VALUES OF RADIO NOISE

(Mo)	(MC)	Van Lan Fan Du Dz Van Lan	2.8 S.4	72 6 8 55 62 6 6 55 9.5	72 7 10 5.0 10.0 60 6 5 5.5 10.0	70 8 6 6.5 120 60 6 6 5.5 9.5	62 10 8 50 90 58 7 6 50 9.0	54 7 9 3.0 6.0 52 8 6 4.0 7.0	52 5 9 20 30 44 9 5 4.5 5.0	48 6 6 2.5 35 42 7 4 2.5 4.0	48 6 4 30 30 40 9 4 3.0 4.0	48 6 4 to 20 40 5 4 2.03.5	48 6 3 1.5 3.0 40 6 2 \$2.0 4.0	48 6 2 2.0 30 40 10 2 2.0 40	48 19 2 1.5 3.5 42 20 2 \$3.0 \$2.0	56 25 10 + 5 + 5 44 23 4 25 6.5	5721 9 3.0 7.0 46 16 4 4.5 55	64 25 6 15 35 52 12 8 30 6.0	55 25 7 \$20 \$5 54 /2 /2 30 60	51 6 85	64 7 9 3.56.0 62 4 8 4.07.0	70 4 7 30 5.0 66 4 7 4.0 6.0	74 5 4 30 5.5 68 4 9 3.0 6.0	74 6 7 30 6.0 68 2 8 3.5 70	75 5 8 40 80 68 2 8 40 75	76 2 9 45 95 66 4 7 45 8.0
		1013 100	6 9 6.5 11.0 118 7 5 6.0 12.0	01/60 8 4 10.0 17.0 136 9 6 7.0 12.5 117 6 5-5 10.0	02/60 7 4 9.0 155 134 9 5 5.5/11.0 116 6 6.0 120	03 158 9 5 9,5 16.0 132 10 5 9.0 15,5 114 4 12 6.0 145	04 157 7 5 100 16.5 128 10 6 85 150 104 15 19 80 160	05 158 6 7 11.0 128 9 10 9.0 14.0 1/02 18 18 7.5 14.5	06 158 6 8 11.0 180 126 11 12 11.0 17.5 100 19 28 8.5 16.5	07 156 7 6 105 120 126 10 13 11.0 19.0 98 23 16 9.5 185	08 15410 3 120 185 126 10 11 12.0 de 19 18 100 170	09 156 9 6 120 190 125 12 10 120 195 100 26 18 90 175	10 1607 8 120185 128 7 9 11.0 19.0 106 16 26 9.0 190	160 5 8 120 180 130 13 10 10.0 17.5 106 18 22 8.5 16.5	12/12/0 8 12.0 170 132 16 9 9.0 14.5 106 25 20 9.0 15.0	13/14/10 7 100/60 134/6 8 75/40/110 22 16 80/65	14 166 8 10 9.0 145 138 12 10 85 145 119 17 16 9.0 16.0	15/26 6 8 10.0 16.0 140 8 12 7.5/15.0 120 14 14 7.5/13.0	16/66 6 10 95/50 140 6 14 70 120 122 10 16 490 150	17 166 6 10 80 140 140 7 15 6.5 120 9 15 25 140	18/16 5 9 80 125 140 6 12 70 120 120 10 11 60 125	19/64 6 7 70 130 138 8 7 5.0 95 120 9 8 5.0 9.0	20 164 4 10 80 130 142 4 11 50 100 121 9 7 50 90	21/64 4 10 80140142 4 10 5.0 100 122 7 10 40 90	22 164 5 8 8.0 140 140 6 8 5.0 110 120 9 7 45 90	23 162 5 4 85 145 138 7 6 5.0 11.0 120 7 9 45 10.0

 F_{qm} = median value of effective antenna noise in db above ktb D_u = ratio of upper declie to median in db P_{dk} = ratio of median to lower declie in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

RN-13

USCOME NESS - ES

- 1			Vd# Ldm			2.5 3.5	2.5	کرچ کرچ	4.0	4.0	4.0	4.0	75.	5.0	2.6 4.5	5.9	6.0	7.0	2.5	0.0	6.0	5.0	4.0	4.0	3.5	3.5		
19 62			*up/			2.5	2.5	2.5	2.5	12	3.0	3	2.5	3.5	2.5	40	4.0	4.5	7.5	3.5	4.0	۵.۶	2.0	3.0	2.5	15.6		
<u></u>		20	70	-	_	_	7	0	~	r	,	0	\sim	~	8	4	જ	\sim	د	2	7	7	~	~	×	7	4	
h			Da	$\boldsymbol{\gamma}$	8	જ	0	7	7	~	^	~	h	~	8	ィ	~	-9	7	9	00	9	\sim	\sim	~	7	7	
March			Fam	7	7	7	23	21	21	7	77	16	10	17	12	10	10	10	اکله	25	25	23	る	70	16	17	17	
			Vdm Ldm Fam	2.0	5.5	* 'S'	7.5	7.0	* 5.5	3.5	5.0	7.5	5.0	* 1,5	78.5	4.0	10.01	* 0.0	4 /0.0/	8.5	8.0	*6	5.0 8.0	75-	7.5	7.5	2.0	
Month			Ndm/	4.0	4.0	3.5 6.5	4.0	4.5	35,	5.5	7.5	5.0	3.0	15	*//.5	6.0	7.0	70	2.5	5.0	4.5	40.5	ه .ک	12.5	4.0	4.0	4.0	
ž		0) 7g	7	~	~	7	2	7	9	2	7	7	7		4	01	7		7	7	4	2	*	ィ	~	4	
떼		1	Du	٦	9	9	7	7	12	00	2	00	9	8	7	00	10	9		2	9	9	7	7	٦.	7	~	
130,4E			Fam	44	7 7	47	42	40	38	2	38	32	30	26	he	44	30	32	200	47	44	46	46	46	44	47	44	
			Vdm Ldm	11.0	0.0	10.0	2.0	4.5	* ~	5.0	2.0	5.0	4	6.5	¥ (1.0	7.0	* 10.5	4.0	\$ 50	125/12	13.0	9.0	1,3.0	11.5	* 2.0.5	4 1.61	1.5	
Long.			/dm /	6.5	5.0	k 9	5.0	40%	* 55.5	47	4.0%	* 5.5	7.0	450	40.6	\$.0.5	7.5	*6.	\$ 0.9	20 /	7.0	5.0	6.0	6.5	2.01 0.5	*,5.9	7.0 /	
			70	2	7	9	7	7	9	2	00	1	8	6	9	9	9	0/		1,6	0/	00	00	7	7	t	7	
30,65		5	no	9	-9	00	7	0/	9	0	5	15	14	15	41	11	18	19		~	6	0	00	7	9	6	7	
- 1			E	- 25	75.5	157	15.	53	27	53	15	27	23	74	19	6/	10	25	30		47	53	5.7	29	57	55	525	
Lat.			Vdm Ldm Fam	15.0	13.0	13.0	13.0	× 2.	* 14.5	* //.s ⁻	t, 0.//	3.0	4.0		12.0	* 17.0	5.0	* 12.5	*/ 0://	7011.5 41	10.0	* //.s_		/3.5	35		140	
			dm L	0.0	7.0.7	8.0	7.5/	7.5 1	\$00.	7.5/	7.5.	* v.	3.5.		7.5 1	7.5 3	* ر حجی	7.5 /	6.5-	7.0 %	201	1,5:5	6.5 11.5	7.5-	7.5 13.5	9.0 16.0	+7.5-	
alia		5	70	2	8	7	7	* 5	* ~	9	15	*	* .	9	*(*,	* .7	*,,	* ~	و	14 /	£ Ω	5	0/	2	00	*	
ıstr	(Mc)	2.	Du	0/	0	2	3	h!	15,	7	14	7/	8	10	77	/3	20	77			16 1	0/	7/	7	2	8	2	
A.	3		Fam	09	109	11 09	58	25	24	1 45	8	76	20	8/	ا مح	18	30	8/	81*	77		5,	09	09	79	79	79	
Station Cook, Australia	C		Ldm				15.0	* 0.51	* 0./4	19.0	19.5	* 17.0	* \$55	* 21.0	8.0	140	=		* 0.4/	TK 46 2.51	* 15.5/38	* 2.5.5	140	* \2.5.	13.5	16.5	* /6.0	
9	Frequency		√dm L	10.0/7.5	7.5- 14.5	9.0 17.0	8.5 1.	7.57	* ~ / .	* * * /5:0 /	* 0.51	*/5:27	* 170 X	* 0.5/	# 0.0/	9.5/	6.07		* 0.8	* 5.5	7.0 1	* 0.9 * 1	£ 5.5	* 'S'	7.5-1	8.0 16	* 0.8	
atio	Fre	545	70	6	0	0	9	*/	7	*~	* ~`	* ~	* ~	· *	6 1/4	3 *	6 6	3	* 2	7	\ \ \	*2	00	*~	7	9	*00	
ţ		. 57	'n	6	0	0	11	0/	1	74	20	23	77	14	19	74	37	73	37	35	12/	00	7	6	00	<i>></i>	0	
				68	63	63	83	85	75- 1		41	17	41 3	47 /	47	47	47 3	47	66	_	59	83	16	16	16	68	68	
Ж			D& Vdm Ldm Fam	17.5-	14.0	14.0	13.5/	17.0 8	* 19	10.0 17.5 41	45.0	**		× 0.05	* 0.4.	* /5.5/				* 0 × 0 × 0 × 0 × 0 × 0 × 0 × 0 × 0 × 0		16.0			_			
NOISE			dm L	10.5 1	8.0 /	*00	8.5 1.	* 0.	* 5.0/	* / 0.0	* 7 15.51	* ~ ~ //	15.0 240	* 0.5/	* 0%	8.5 /	14.0 23.0	* 0.0 14	* * *	* 0	7.0 16.0	7.0 16	8.5 175	9.0 /5.5	8.5 16.0	8.5 /	* 5.8 8.5 16.0	
Z		160) J O	2	7 8	00*	9	12	* ~	**	*×	* 9	181	* 00	00	± 6	* 7°	13 10.0 14.5	* 50	*170	9	00	80	00	12	5 8	* 9	
8			Du	7	0	00	6	- 1	00	17	13	30	المد	3,	30	۲۲	77	1/	26	17 0	12/	00	9	2	7	9	12	
RADIC			Fam	107	105	105	103	101	66	85	75/	69	19	75	77	83	89	91	95	97	99	501	601	601	101	107	107	
				15:0 /	15.0	* /3.5-/	* 15:51	15:0	40.00	15.0	* 0.9/	\$ 0.0%				_	17.0	_	17.0	* /6.5	15.57	15.0		16.0	_		6.0	-
PF			D. Vdm Ldm	10.01	9.0 /	* 0.8	* 15.8		* 0.0	* 0.0%	* 0.1/	* 0.0 8.0	* 2.00° 2.5%	S.CC 0.41	14.0 19.5	13.0 20.5	* * * 10.5 /	* 2.5	* '5'/	* 5.6 19.5 X	8.5 14	8.0 /	9.0 16.5	8.0 /4	9.0 155	* * *	* /0.0/6.0	
ES		51	^ 7 0	7	2	* ~	**	*~	2	*00	4	1 - 2 - 2 A	8 4	11 "	* 9	10/	40	*00	* 8	10x	00	13	7	9 6	9		\$ 10	٠
		,051	Du	ري ,	9	2	9	5	0	5	ر ۱	, h/	14	16	13	0/	01	/5_	9/	00	5	7	6	9	7	4	3	
VALUES			Fam C	/30	128	130	138	177	126			1/0//	110 1	112 /	1411		122/	124	124	126	126	126		130	130	130		
			E E	12.0	11.57	13.51	/3.5/			1/2/	1/5:	0		* 0.00°	1 5:	1.0 1.				. a.			0.9	.5-		15	15.5 <u> </u>	3.
MONTH-HOUR			Vdm Ldm	5.5	7.5 11	7.0 10	8.5 13	8,0 150	9.5 14.5	9.0 14.5 122	10.0 15.5 114	10.0 16.0	12.0 19.0	* 0 /1/	12.5 18.5	13.0 19.0 120	11.5 20.0	* * //.5//25	* * 10.0 /6.0	10.0/6.0	8.5-16.0	*9.0 / 7.5	10.0 16.0 128	10.0 15.5	10.0145	8.5-135	8.5 12.5 130	,
구 구		3	DR V	7	7	7				3	4 /1	9	* +	6 74	* 7	3 13	11 /	3 *	9 10	₩ 6	=	* 5	7/	5 10	3 10	7	2	
Ŧ		. 013	D _u C	7	7	4	7		3	· +		9	7 4	9	4 01	5	2	9	7 8	9	6 3	7		6	12 W	7	7	:
N			Fam D	156 1	15-6 4	156 4	156 4	156 1	156 4		154 4	152	152	8 251	150/	5.51		154	156 1	156	156 6	15-6 4	15-6 6	15-8 (156 4	156 7	
MO	(TS	۱) ۱	uoН г _р	00	01	02 //5	03 /5	04 15	05 //	06 /5-6	07 1/5	08 /5	⁷ / 60	10 / 5	11	12 13	13 154	14 //5	15 /5	16 /5	17 /3	18 /5	19 /3	20 15	15-6	22 /5	23 //5	t
	تت	-		0					0	0	0	O	O					_	_			-	-	N	2	N	2	

 F_{qm} = median value of effective antenna noise in db above ktb D_u = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} * median deviation of average voltage in db below mean power L_{dm} * median deviation of average logarithm in db below mean power

RN-13

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			ε			l _o					0	0	5	12	0	0	٥	10	0		1	0	اد.	0	0		
9			Vdm Ldm			4.5		-			4	+ 2.	7.4.5	1. 2.	0.5.0	5.0	* ~	*-•	6,	3	* 3	4 3	+ 10	4.0	*~		
6			P			2.5.					3.0	* ~	3.6	12	2	2.5	**	47	4.6	3.5	* 5.	* 5.	× 12	* .e	* S		
_		2.0	DE	_	~		_	0	0	0	0	0	8	d	8	7	7	8	0	76	~	8	70	1	8	76	4
1			Du	0	0	0	0	0	0	0	8	W	~	R	7	8	W	4	9	4	4	4	0	1	0	0	0
ril			Fam	22	33	23	23	2	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	23	2	23	23	23	10	23	23	ي م	کرہ	750	_کړه	23	~~	مكر	23	~~	کام
April			E	5.	7.0	7.5	ار ا	6.5	*5	_		5.0	۵	0	4.5.	_	=	0	6.0	6.5	7.5	, 0	5.5	7.0	7.0	7.5-	7.0
ŧ			Vơm Lơm	9 0			* -5	0 6.		5 5.0	0.50		10	9		+ C.	0 7.0	6	0 6.	9 0	-	6 4	5	_	_		
Month			Vd.	2.	4.0	4.5	₹ ,2:5.	4	* ~	2	3.0	75.	2.5	2.	* 2	* 0.2	ري	6.5	+2	2.	0.5	45.5	7	4.0	2.5	* 7.	47
_		10	DE	4	7	~	9	7	7-	7	7	3	9	-9	-9	12	00	9	9	1	9	78	7	5	9	9	7
듸			Du	7	4	12	00	7	00	7	و	4	9	-0	10	11	7	4	00	9	4	00	7	4	9	~	7
130,4E			Fam	4	7	40	41	39	35	37	37	31	77	22	61	20	23	17	33	34	41	39	43	4	43	43	4,
13			Vdm Ldm	7.5-	2.5	7.5	8.5	8.5	4.5.	* 5.	8.0	6.0	* /3.0	7.5-	٠,٧.	6.5		* -2.5	4.5.8	11.0	10.0	¢ //.o	10.01	10.0	7.5	9.0	8.5
Long.			dm L	4.5	5.5	4.0	4,5,5	4.0 8	45.5	* 0.5	4,5	4.0 4	* 0.0 * /	0	* 0.5	3.5-6	0.5 2.5	4.0	6.0 3	0	0	6.5	6.0/	5.5	\$ 0.5	0	2.0
			De V	6 4.	<i>></i> 0 .<0	3	40	7 9	*7	*.~	42	7	400	7	*2		12 2	* 7	70	6	4 6.	_			6. 5.*	e x	- 1
30.65		7	=											7		700	7	00			9 4	3	9	-9			7
			D.	ری	-9	9	9	7	5	7	7	10	-	7	0/				10	15		_	9	7	12	9	2
Lat.			Fam	S	3	3	45	ES	45	15	44	26	20	8/	08/	91	18	18	20	76	38	4	उ	5.7	54	S	4
			Ldm	9.0	11.0	10.5	10.0	11.0	10.0	9.0	11.0	10 *	\$ t	*15	#0.5	* 0.9	4,0	42	£7,	* %	12.5	9.0 14.5	13.0	11.5	0.01	6.	0.0/
æ			Ndm	5.5	5.5 11.0	6.0	6.0	6.0	5.5	5.0	* 5.9	4.5	*3	4.0	*~	*7.	* N	* 'S'	* J.	ic de	7.0	0.5	7.5	7.0	6.0	6.0	6.9
alia		5	De	9	د	15	c	7	2	7	8	7	~	0	0	0	0	0	0	15	00	0	00	9	و_	~	7
Australia	0	2	Du	9	10	00	0/	00	00	0	7	00	~	~	্থ	7	~	2	1	13	7	00	0/	0	00	0	9
Au	(Mc)		Fam	57	7.5	25	15.	2	5.5	2	37	75	イ	61	0	9	5	5	0	24 1	33,	47	52/	5.5	5.5	1	2
Station Gook,	ج		F				7	56	5,	7			_	10		10	/	٥	0					_		ζ,	7.0 13.0 177
이	Frequency		Ldm	12.0	13.5	12.0	Ś	* 0.0	?		\$1.0	4.5	- 4.5	* `		4.5	* 11.0	#12	e-*	6.5	¢.0.7/	10.5	11.0	*,	*0;	0.0/	100
o	edn	2	DZ Vdm	7.0	7.5	7.0	7.0	* 1 s	75		₹. 	* ~	15.5	47		* .s.	\$0°€	₩w;	+ 2.	4.0	·21	* 5	6.0	· 0 · 5	*2.5	6.0	7.6
stati	正	545	70	4	W	7	12	4	9	-	~	~	જ	00	11	2	J	-9	~	4	7	12	4	~	7	4	2
U)			۵	6	0	00	6	00	7	10	01	13	14	و	~	7	4	6	-	10	7	6	00	00	9	00	2
			am	85	84	50	48	85	18	7.5	41	4,	1 4	47	15	49	49	45,	1+	3	67	77	100	18	2	2	2
1.3	-		E	=		12.0	12.0			* 0.0	11.0	2.0/		18.5	* \S:S/	*/ 2.0	1357	* //.0	140	_	16.0		0.9/		12.5	11.57	7,5 12.0
3	1			- 2	m										* ~	, O	14/	7 7	1 4	3	2					>	
SIC			E L	5 12.0	0.81	0		0 10	0 13.5	* 6		5.	* 0/	5 4	٩		9		·* \	0		0	0	0 /1	0		2
NOISE			Vdm L	7.5	80	7.0	7.0	7.0 12.0	80 13	7.5	* 1.	8.5	* //.o	#1.5	10.0	4.6.0	9.0	*0.	*00	9.0 13.5	11.5	2 9.0 16.5	19.0	8.0 14.0	8.0	2.0	
_		160	D& Vdm Ldm Fam	2 7.5		4 7.0		6 7.0 12	5 80 13	1/2	1/2	10 8.5	9	4 11.5	8 10.0	6 9.0	10 9.0	5.70	7 8.5	- 1	10 115	7	0	3 8:0 14	3 8.0		4 7,5
_		.160	Du	8 2 7.5	6 2 80	5 4 7.0	4 4 7.0	9 9	7 5 80	9 6 7.5	* 1.	14 10 8.5	15 6	22 4 11.5	10 8 4	4.6.0	14 10 9.0	16 5 7.0	19 7 8.5	11 51	13 10 115	7/ 7/	11 5 9.0	3	7 3 8.0	6 6 70	7 7
RADIO NOISE		.160	Du	105 8 2 7.5	2 80	4 7.0	107 4 4 7.0	9 9	103 7 5 80	93 9 6 7.5	* 1.	69 14 10 8.5	15 6	69 22 4 11.5	73 10 8 10.0	71 de 6 7.0	75 14 10 9.0	72 16 5 7.0	72 19 7 8.5	11 51 46	10 115	7	97 11 5 9.0	101 8 3	103 7 3 8.0	105 6 6 70	7 4 4
RADIO		.160	Du	105 8 2 7.5	105 6 2 80	107 5 4 7.0	107 4 4 7.0	105 6 6	103 7 5 80	93 9 6 7.5	71 11 8 75	69 14 10 8.5	15 6	69 22 4 11.5	73 10 8 10.0	71 de 6 7.0	75 14 10 9.0	72 16 5 7.0	72 19 7 8.5	11 51 46	83/3/0/115	83 12 12	97 11 5 9.0	101 8 3	103 7 3 8.0	105 6 6 70	7 4 4
_		160	Du	13.5 105 8 2 7.5	105 6 2 80	107 5 4 7.0	107 4 4 7.0	105 6 6	103 7 5 80	93 9 6 7.5	12.0 71 11 8 7.5	69 14 10 8.5	15 6	69 22 4 11.5	73 10 8 10.0	71 de 6 7.0	75 14 10 9.0	72 16 5 7.0	72 19 7 8.5	11 51 46	140 83 13 10 115	83 12 12	97 11 5 9.0	101 8 3	12.5 103 7 3 8.0	11.5 105 6 6 7.0	7 4 4
OF RADIO			Du	8.0 13.5 105 8 2 7.5	9.0 13.5 105 6 2 8.0	8.5 13.5 107 5 4 7.0	9.5 140 107 4 4 7.0	8.5 13.0 105 6 6	8.0 13.5 103 7 5 80	8.0 125 93 9 6 7.5	7.5 12.0 71 11 8 7.5	10.5 16.0 69 14 10 8.5	130180 69 15 6	12.0 18.5 69 22 4 11.5	15.0 22.0 73 10 8 10.0	13.0 20.0 71 26 6 7.0	11.5 18.0 75 14 10 9.0	9.5/6.5 72/6 570	7.5 13.5 72 19 7 8.5	8:0 14:0 74 15 11	8.5 140 83 13 10 115	9.0 15.0 93 12 12	10.0 16.5 97 11 5 9.0	9.0 145 101 8 3	8.0 12.5 103 7 3 8.0	7.0 11.5 105 6 6 7.0	7 4 4
OF RADIO		. 051 . 160	De Vem Lem Fam Du	2 8.0 13.5 105 8 2 7.5	3 9.0 13.5 105 6 2 8.0	3 85 135 107 5 4 7.0	2 9.5 140 107 4 4 7.0	5 9.5 13.0 105 6 6	4 8.0 135 103 7 5 80	5 80 125 93 9 6 75	3 7.5 12.0 71 11 8 7.5	6 10.5 16.0 69 14 10 8.5	4 130180 69 15 6	8 120 185 69 22 4 11.5	6 15.0 22.0 73 10 8 10.0	4 13.0 20.0 71 20 6 9.0	5 1/15 1800 75 14 10 9.0	6 9.5/6.5 72/6 570	4 7.5 13.5 72 19 7 8.5	4 8.0 14.0 74 15 11	4 8.5 140 83 13 10 115	7 9.0 15.0 93 12 12	4 10.0 16.5 97 11 5 9.0	3 9.0 14.5 101 8 3	4 8.0 12.5 103 7 3 8.0	2 7.0 11.5 105 6 6 7.0	7 4 4
OF RADIO			Du De Vam Lam Fam Du	5 2 80 13.5 105 8 2 7.5	4 3 9.0 13.5 105 6 2 8.0	4 3 85 /35 107 5 4 7.0	6 2 9.5 140 107 4 4 7.0	4 5 9.5/30 105 6 6	6 4 80 135 103 7 5 80	5 5 40 45 93 9 6 75	5-3 7.5 12.0 71 11 8 7.5	6 6 10.5 16.0 69 14 10 8.5	9 4 130,80 69 15 6	6 8 12.0 18.5 69 22 4 11.5	8 6 * 5:0 22:0 73 10 8 100	10 4 13.0 20.0 71 20 6 9.0	8 5 #1.5 18.0 75 14 10 9.0	7 6 9.5/6.5 72 16 5-7.0	9 4 7.5 13.5 72 19 7 8.5	7 4 8.0 14.0 74 15 11	9 4 8.5 140 8313 10 115	7 7 9.0 15.0 93 12 12	9 4 10.0 16.5 97 11 5 9.0	5 3 9.0 145 101 8 3	2 4 8.0 12.5 103 7 3 8.0	4 2 7.0 11.5 105 6 b 7.0	7 4 4
VALUES OF RADIO	11		Du De Vam Lam Fam Du	128 5 2 80 13.5 105 8 2 7.5	129 4 3 9.0 13.5 105 6 2 8.0	130 4 3 85 135 107 5 4 7.0	128 6 2 9.5 140 107 4 4 7.0	4 5 9.5/30 105 6 6	128 6 4 80 135 103 7 5 80	5 5 40 45 93 9 6 75	118 5 3 7.5 12.0 71 11 8 7.5	114 6 6 10.5 16.0 69 14 10 8.5	9 4 130,80 69 15 6	114 6 8 120 185 69 22 4 11.5	114 8 6 750 22.0 73 10 8 700	114 10 4 13.0 20.0 71 20 6 90	116 8 5 #15 180 75 14 10 9.0	118 7 6 9.5/16.5 72/16 5 7.0	116 9 4 7.5 13.5 72 19 7 8.5	118 7 4 8:0 14:0 74 15 11	116 9 4 8.5 140 83 13 10 115	119 7 7 9.0 15.0 93 12 12	12, 9 4 10.0 16.5 97 11 5 9.0	126 5 3 90 145 101 8 3	2 4 8.0 12.5 103 7 3 8.0	4 2 7.0 11.5 105 6 b 7.0	7 4 4
VALUES OF RADIO			Du De Vam Lam Fam Du	12.0 128 5 2 8.0 13.5 105 8 2 7.5	129 4 3 9.0 13.5 105 6 2 8.0	130 4 3 85 135 107 5 4 7.0	6 2 9.5 140 107 4 4 7.0	5 9.5 13.0 105 6 6	6 4 80 135 103 7 5 80	5 5 40 45 93 9 6 75	118 5 3 7.5 12.0 71 11 8 7.5	114 6 6 10.5 16.0 69 14 10 8.5	9 4 130,80 69 15 6	114 6 8 120 185 69 22 4 11.5	114 8 6 750 22.0 73 10 8 700	114 10 4 13.0 20.0 71 20 6 90	116 8 5 #15 180 75 14 10 9.0	118 7 6 9.5/16.5 72/16 5 7.0	116 9 4 7.5 13.5 72 19 7 8.5	118 7 4 8:0 14:0 74 15 11	116 9 4 8.5 140 83 13 10 115	119 7 7 9.0 15.0 93 12 12	12.0 121 9 4 10.0 16.5 97 11 5 9.0	126 5 3 90 145 101 8 3	4 8.0 12.5 103 7 3 8.0	4 2 7.0 11.5 105 6 b 7.0	7 4 4
VALUES OF RADIO	1		Du De Vam Lam Fam Du	12.0 128 5 2 8.0 13.5 105 8 2 7.5	129 4 3 9.0 13.5 105 6 2 8.0	4 3 85 /35 107 5 4 7.0	120 128 6 2 9.5 140 107 4 4 7.0	13.5 130 4 5- 8.5 13.0 105 6 6	13.5 128 6 4 8.0 13.5 103 7 5 80	5 80 125 93 9 6 75	5-3 7.5 12.0 71 11 8 7.5	6 6 10.5 16.0 69 14 10 8.5	9 4 130,80 69 15 6	114 6 8 120 185 69 22 4 11.5	114 8 6 750 22.0 73 10 8 700	114 10 4 13.0 20.0 71 20 6 90	116 8 5 #15 180 75 14 10 9.0	118 7 6 9.5/16.5 72/16 5 7.0	116 9 4 7.5 13.5 72 19 7 8.5	7 4 8.0 14.0 74 15 11	9 4 8.5 140 8313 10 115	7 7 9.0 15.0 93 12 12	12.0 121 9 4 10.0 16.5 97 11 5 9.0	126 5 3 90 145 101 8 3	120 128 2 4 8.0125 103 7 3 8.0	4 2 7.0 11.5 105 6 b 7.0	7 4 4
VALUES OF RADIO	1	. 051	De Vem Lem Fam Du	128 5 2 80 13.5 105 8 2 7.5	4 3 9.0 13.5 105 6 2 8.0	130 4 3 85 135 107 5 4 7.0	128 6 2 9.5 140 107 4 4 7.0	4 5 9.5/30 105 6 6	128 6 4 80 135 103 7 5 80	5 5 40 45 93 9 6 75	118 5 3 7.5 12.0 71 11 8 7.5	114 6 6 10.5 16.0 69 14 10 8.5	4 130180 69 15 6	6 8 12.0 18.5 69 22 4 11.5	8 6 * 5:0 22:0 73 10 8 100	10 4 13.0 20.0 71 20 6 9.0	8 5 #1.5 18.0 75 14 10 9.0	7 6 9.5/6.5 72 16 5-7.0	7.5/50 116 9 4 7.5 135 72 19 7 8.5	9.5 15.5 118 7 4 8.0 14.0 74 15 11	116 9 4 8.5 140 83 13 10 115	119 7 7 9.0 15.0 93 12 12	12, 9 4 10.0 16.5 97 11 5 9.0	5 3 9.0 145 101 8 3	2 4 8.0 12.5 103 7 3 8.0	2 7.0 11.5 105 6 6 7.0	7 4 4
VALUES OF RADIO	0.000		Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du	8.0 12.0 128 5 2 8.0 13.5 105 8 2 7.5	2 *80 20 129 4 3 9.0 13.5 105 6 2 80	0 7.5 11.5 1.30 4 3 85 13.5 107 5 4 7.0	8.0 12.0 128 6 2 9.5 14.0 107 4 4 7.0	2 9.0 13.5 130 4 5 8.5 13.0 105 6 6	9.0 13.5 128 6 4 8.0 13.5 103 7 5 8.0	2 9.0 140 124 5 5 8.0 12.5 93 9 6 75	2 9.5 14.0 118 5 3 7.5 12.0 71 11 8 7.5	10.0 16.0 114 6 6 10.5 16.0 69 14 10 8.5	3 115 175 110 9 4 130,80 69 15 6	3 11.0 17.0 114 6 8 12.0 18.5 69 22 4 11.5	4 13.0 18.5 114 8 6 15.0 22.0 73 10 8 10.0	4 125 190 114 10 4 13.0 20.0 71 20 6 9.0	4 12.0 18.5 116 8 5 11.5 18.0 75 14 10 9.0	12.519.5 118 7 6 9.516.5 72 16 5 7.0	116 9 4 7.5 13.5 72 19 7 8.5	2 9.5 155 118 7 4 8.0 14.6 74 15 11	8.0 135 116 9 4 8.5 140 8313 10 115	8.0 12.0 119 7 7 9.0 15.0 93 12 12	2 8.5 120 121 9 4 100 165 97 11 5 9.0	85 120 126 5 3 90 145 101 8 3	8.5 12.0 128 2 4 8.0 12.5 103 7 3 8.0	75 110 128 4 2 7.0 115 105 6 6 20	7 4 4
VALUES OF RADIO	T. I.	. 051	Du D2 Vdm Ldm Fam Du D2 Vdm Ldm Fom Du	0 3 8.0 12.0 128 5 2 8.0 13.5 105 8 2 7.5	2 2 4 80 2.0 129 4 3 9.0 13.5 105 6 2 80	4 0 75 115 130 4 3 85 135 107 5 4 7.0	4 0 8.0 120 128 6 2 9.5 140 107 4 4 70	4 2 9.0 13.5 130 4 5 8.5 13.0 105 6 6	4 2 9.0 13.5 128 6 4 8.0 13.5 1.03 7 5 80	4 2 9.0 14.0 124 5 5 8.0 12.5 93 9 6 7.5	4 2 9.5/40/18 5 3 7.5 D.O 71 11 8 7.5	4 2 10.0 16.0 114 6 6 10.5 16.0 69 14 10 8.5	2 3 11,5 17,5 110 9 4 13.0,18.0 69 15 6	4 3 11.0 114 6 8 12.0 185 69 22 4 11.5	2 4 13.0 18.5 114 8 6 \$5.0 22.0 73 10 8 10.0	2 4 12,5 190 114 10 4 13.0 20.0 71 20 6 9.0	3 4 10.0 185 116 8 5 11,5 18.0 75 14 10 9.0	2 4 125195 118 7 6 9.5 16.5 72 16 5 7.0	3 2 75/160 116 9 4 75/135 72 19 7 8.5	11 21 46 140 14 8.0 140 74 15 11	0 3 8.0 135 116 9 4 8.5 140 83 13 10 115	1 3 8.0 120 119 7 7 9.0 15.0 93 12 12	2 2 8.5 12.0 12,1 9 4 10.0 16.5 97 11 5 9.0	3 2 85 120 126 5 3 9.0 145/101 8 3	1 4 8.5 12.0 128 2 4 8.0 12.5 103 7 3 8.0	1 4 75 110 128 4 2 7.0 115 105 6 6 7.0	7 4 4
OF RADIO	(12	. 013 051	Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du	3 8.0 12.0 128 5 2 8.0 13.5 105 8 2 7.5	2 *80 20 129 4 3 9.0 13.5 105 6 2 80	0 7.5 11.5 1.30 4 3 85 13.5 107 5 4 7.0	0 8.0 120 128 6 2 9.5 140 107 4 4 70	2 9.0 13.5 130 4 5 8.5 13.0 105 6 6	2 9.0 135 128 6 4 8.0 135 103 7 5 80	2 9.0 140 124 5 5 8.0 12.5 93 9 6 75	2 9.5 14.0 118 5 3 7.5 12.0 71 11 8 7.5	2 10.0 16.0 114 6 6 10.5 16.0 69 14 10 8.5	3 115 175 110 9 4 130,80 69 15 6	3 11.0 17.0 114 6 8 12.0 18.5 69 22 4 11.5	4 13.0 18.5 114 8 6 15.0 22.0 73 10 8 10.0	4 125 190 114 10 4 13.0 20.0 71 20 6 9.0	4 10.0 185 116 8 5 #1.5 18.0 75 14 10 9.0	4 125195 118 7 6 9.5/6.5 72 16 5 7.0	2 7.5/50 116 9 4 7.5/35 72 19 7 8.5	2 9.5 155 118 7 4 8.0 14.6 74 15 11	3 80 135 116 9 4 8.5 140 83 13 10 115	8.0 12.0 119 7 7 9.0 15.0 93 12 12	2 8.5 120 121 9 4 100 165 97 11 5 9.0	2 8.5 120 126 5 3 90 145 101 8 3	8.5 12.0 128 2 4 8.0 12.5 103 7 3 8.0	75 110 128 4 2 7.0 115 105 6 6 20	2 80 129 129 3 3 85 140 105 4 4

 $F_{\alpha m}$ = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{R}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

· USCONALNES-FL

19-594-##0031

ال			Ldm			3.5				3.5	3.5	4.5	4.5	4.5	2.4 2.5	4.5 6.5	6.0	12	7/2	5.0	3.	W			5.5	35.	3.5	
9.62			Vdm Ldm			2.5				12	ي. ج	2.5	3.0	2.5	2.5	4.5	12.57	3,0	3.0	3.5	12.5	7.5			4.0	75.4	2.5	
6		2.0	70	0	0	~	0	0	~	7	ィ	4	0	7	7	8	ч		7	イ	0	~	イ	8	0	0	0	
1			חמ	7	γ	7	7	7	0	0	7	7	2	9	7	78	8		7	7	2	7	7	8	7	7	4	
ak ak			Fam	77	~	22	محر	7	74	770	46	hr	7,	77	77	77	7	170	77	24	22	22	~~	\tilde{z}	$\vec{\gamma}$	2	محم	
Мау				4.0	* 0.0	7.0	*0.	* S.S.	6.0	75.5	45-		* 2,5,2	4.5	4.5		4.7	40.0	6.0	5.5	4.5	6.0	6.0	* %	459	7.5	6.5	
÷			De Vam Lam	* 0:2	* 2. ×	* 0.5	e*	_	40 6.	=	12			4.0 %		2.5 4.5						4 5.5	_	3.5/			3.0 6	
Month			۵/ م			فتنتظ		*,2		#4. 12	*4	**	*3.		\$ 5.0		ent in	*2	*×,	30	3.5	*~	* 2.5		35	4.5		
_		10		00	10	9	000	10	1.5	- 7	0/	7	7	4	4	7	1			00	00	9	9	0	<u>~</u>	9	9	
4瓦			n _o	9	9	9	7	8	7	12	4	00	7	2	0	2	-			7	9	00	9	0/	9	9	00	
30			Fam	40	38	38	38	38	35	35	8	200	38	26	۲۲	26	26	34	*6	40	40	38	Ch 0.01	38	40	38	12.5 38	
1			Vdm Ldm	6.0 11.5	* %	2.010.5	* 5.	13.0	* 13.5	*%	6.0	7.5	40.0	¥ 10.0/	7.0	7.0		* 2/.0	4 7 4	# 0,0 C	\$ 0.0	x 15.5/		10.0	* 0.01	11.5	* ~	
ů			Vdm	6.0	4.0	6.0	e*	*0°	75.	** 0.7	* 4. 2.	£3	**	15.	¥ 5.0	* 2. y		\$ o.	10.01	5.0	2.5	* 5°	6.0	6.5	* 3	6.5	7.0	
ी उनु			70	9	9	7	9	00	10	00	2	9	h	-9	4	~	8	4		9	9	9	8	0/	9	7	10	
30.65 Long. 130.4E		4	n _Q	9	و	9	9	9	4	2	00	4	9/	77	7	14	10	91		0/	16	12	00	8	9	2	4	
F			a m	50	50	50	es	50	20	84	3	30	30	20	30	8/	74		30	==		44	18	20	64	2,5		
E.	F		De Vam Lam Fam		9.0	1.5		9.5	5.5 10.5 50	7.0	12.5	10.0	7.57	7.5	8.0	6.0	20.0	7.5 22	10.5	15.0 36	16.0 40	==	135 48	10.5	11.0 54	9.0	11.0 52	
1			Ē	6.0 10.5	5.0 9	* 6.5	5.01 0.5	6.0 9	15	* 10.	7.5/	6.0	x,5/	3.5-	* 2.5	4.0 6	x 5/4/	5.0 /	4.5.9	× 5.5	15.6	9.0 16.5	9.0	5.5	7.0 /	5.5	6.0 /	
lia		τζ	> ~	6	7	e*	7 8	29	6 5	4 7	7	£ 5	7	7	チン	41	* 1	* 7	<i>i</i> *		40.	6 9		0	10 7	/A 5	9	
stra	<u></u>	2					00		8											14	3		9 2					
Australia	(Mc)		n Du	7	11	7/		7 / 0		01	4/2	9/	2 20	4/2	12	20	18	10	~	8		14	2/2	7	0/	00	9	
Station Cook	_		Fam	58	56	25	5.4	5	25	18	38	To	7	۲۲	20	18	-	77	**	38	1/2	150	52	154	105 56	5-8	5.5 11.0 5-8	
ğ	Frequency		Vdm Ldm	11.0	12.5	195	11.0	¥0.	5.5 10.5		4 40	6.0	26.0			¥ 00	t/5:0		4.7.	11.5	+ 1/2	+ 13.57	11.0	*0.		10.5	11.0	
8	nbe		√dm	6.5	7.0	5.5	6.0	\$:0	5.5		* 00	* w.	14.5			3.5	10.0		2,5′	4.0	· 2 '	75-	\$ ° 5	45	45	6.0	2.5	
itati	L.	545	70	8	9	9	4	7	9	14	200	26	~	9	*	00	10		00	10	0	9	7	V	e	10	2	
(f)		·	٥	00	0	00	10	6	9	14	00	2	16	9	14	18	01		12	10	7	10	00	9	e	9	9	
			E E	28	86	48	2	18	80	79	44	hh	h h	3	45	5.2	4.5	3.0	54	09	26	82	ps.	88	88	88	86	
N.			D& Vdm Ldm Fam	12.5	13.0	0.//		12.5	12.5	16.5	25.5	165	4,50	3,57	× 0.//	* 33.0	7.60		* 5.0		0.7	3,0		9.0		0.6/	1/5/	
NOISE			H L	7.0 /	7.5 /	6.5	7.5125	7.5/	7.5- 16	# 0.1/	* SS . *	* / 5://	\$ 0.0 1,	13.5 43.5	\$.0.8	* Sh1	70 4	10.0/	* 6.5/	10.5 4.5	12.5 21.0	13.0 23.0	10.0 17.5	11.5	7.5 13.5	7.5/	6.5	
		160) X (1	2	9	1		0 %	7/	100	* 0/	10	* 0/	°0° ₹00°	* 8		*0	* \(\z\)			9	10/	7	7	7	9 01	
9		-		7	00		7	10									0/0			(2)	ار)			Ť				
AC			m Du	8 9		2	9	9 9	7 2	7	9	30	7	14	00	h/ \	20	- 0:	0.	9/	2 10	4 14	9	9 7	7	2	7 8	4.7
Œ			De Vam Lam Fam	9.0 14.5 1.06	\$5 11.0 106	8.5 12.5 106	90 140 106	106	9.0 13.5 102	76	9.5 15.5 72	89 0.51 0.01	070	70	17	# 12.5 42.0 72	72	78	78	98	92	94	# + 1.0 /75 102	104	7.5 140 104	701	90 135 108	
R			Ldr	14.	# 1.1	- 12.5	14.1	8.5- 14.0	/3.5	9.0 15.5	15.5	15.4	* 00	11.0 16.5	14,0 17.0	*~~	t.5 19.0	11.5 19.0	13.0 18.0	11.0 17.5	10.0 16.0	12.0 19.5	¥ 2.	9.5 15.0	141	75 135	13.5	4
(A)			Vdm	9.0	* 0%	8.5	9.0	S.S.	9.0	9.0	2.	10.6	* /3.5	* //.o	#10/10	* ? ;	*/ .s.	*	* 2.6	# 11.0	10.0	12.6	11.0	9.5		7.5		-
Ä		0.51	7 _Q	9	ħ	7	7	4	7	0	4	2	00	00	7	9	2	~	7	h	9	2	9	7	h	7	9	
7				7	9	h	9	2	4	7	9	00	2	8	10	9	9	9	4	8	10	00	7	9	7	7	8	E
>			Fam Du	134	132	134	132	132	/32	132	122	811	116	114	7/12	711	811	116	120	120	122	44/	128	130	132	132	134 S	
œ				* ° ° ° °	0.6/	12.57	/3.0	12.5		15.0	7 %	5.0	17.5	16.0 114	77.5	0.0	19.5	0.12				=	1,5/	_	75,	11.5	1.0	
MONTH-HOUR VALUES OF RADI			DA Vdm Ldm	7.5		8.0	8.5	8.5	9.0 13.5	9.5	* 2.0,	8/1 0:0/ 15:0	11.0//	* 5.//	# 511	11.5 18:0 116	13.0 /	14.0 21.0		9.0 15.5	7.5 12.5	8.0 12.5	7.0 115 128	7.5 11.5	7.5 11.5	7.0/	7.0 11.0	4
Ŧ		~	170	~~	4	4 8	7	4	~	7	*2	7 ~	7	* 7	* 7	7 %	2+2	*~	~	8	4 7	7	7	7	7	8	7	1
Ė		01	Du	7	4	4	7	7	9	7	7	7	7	7			7	۲	7	4	7	マ	0	~	3	8	~	- Time
Z			Fam D	156		156					154	150 9		0	150 4	152 2		152	152	150 4		154	-				23 156 2 2	1
S	(TS	٠ ١٠	uoH r _o	00	1/5/	02 15	03 156	04 154	1/51/30	hs/ 90			25/ 60	10 150	1/5		3 152	14 //5		16 1/5	7 154		751 61	20 156	156	75.6	3 / /5	L
	ITS	1) 1	·IVH	ŏ	0	O	0	Ŏ	Ő	ŏ	07	98	ő	Ĭ,	_	12	13	12	15	16		18	5	20	21	22	2	

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0 4 7

 $F_{\rm dm}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\rm g}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

RN-13

RN-13

			Ē	3	0	0	0	0	۵	0	9	5.	* %	× × ×	٥	7	(~)	5.0	4.5	4.0	0	3.5	5	0	ر ارم ارم	0	3
62			Vdm Ldm	1.0 3	جي کي/	1,0 3.	15.	1,57	1.5 3.	ارم	12	2.5 0.50	* 0.8 * W	* S./	* ~	2.	2.5.	ک	4.5.4	0	2.5 4	1.53	1.5 3.	1.5-3	m 0	1.5/	1.5/
6			****				0 /	1 0	7	2 1.5						7		か	فنتنت	7	76	=			· ·		
		20	70	٦	~						~	~	~	~	~	w	8		7	,	_	~	イ 	7	0	0	8
-c			Du	0	0	0	0	0	0	0	4	_	~	3	7	8	7	^	7	2	ω.	8	0	_	76	7	0
March			Fam	20	2	20	20	مره	20	20	20	20	220	વ	20	べ	22	70	22	20	7	20	20	20	08	08/	90
			Ldm	5.0	4.0	4.5	3.5	* 3.5	\$ %		40%	+ 00	*00	*~						6.0	* 5.5	4.5.0	4.0	*5.	4.5	5,0	5.0
Month			Vdm	3.0	* &	رک رو	۵.۵	* %	+ 0 0:0		\$*	6.51	4.5.5	40.5						40/	40%	2.5	40%	F0.	°, °	3.0	3.5
ğ		10	DR	7	7	1	7	7	8	7	7	7	v					0/	7	00	•	1	7	ょ	9	10	9
			D.U.	0/	0/	13	00	١,	00	Z	-9	5	01					9	00	8	15	he	18	7	2	0	e
3瓦			Fom	36	34	34	34	34	36	40	45	44	7	£2	*3	44	20	84	84	d	46	44	75	47	40	30	200
17.	-	_		9.0	7.5.	5.0	2.5		8.5	4.0	2.0	0	0	10.0/	* 3.	15.0	7.0 4	0	1.5.5	6.5	6.0	7.0 4	5-	15.5	5.0 4	4.0	7.0
Long. 17.3E			Vdm Ldm	0	٥	۵	e		0	0	۵	0 6.	6	0		0	5.0 7	1.0 3.	7	3.5 6	3.0 6	40 %	2.0 4.	ري. ک		1.5 4	4.0 1
7			D, V ₀	7.	4	4	رب رب	~	5	7	4	<i>₹</i>	72	7	4		5.	6 /	12	3	3	7	کی کے		4 2.5	4	1
. 5N		5		9	8	_								7	6 4							_	-	7	7	7	7
59.			n _O w			7	2	9	7	9	7 8	7	8	1 7		_	2 5	20	ام د	- /3	7	9/0	1				5
Lat.			Fam	- 56	5.4	24	3	50	52	0 50	84	42	38	- 39	34	** W.*	37	40	38	245	5.0	156	56	1,5	376	5.	72
			* Ldm	6.5	9.0	7.5	7.5		8.0	0.0	11.0	4.0	6.0	7.5	0.5	5.5	ه:ک	40	2:5	0.9	6.0	2.9	0 7.0	3.5-6.5	9.9	3.5 6.5	6.5
ede			De Vem	19:5	19:50	4.0	7.7		5.0	7.5	2.2	S.	₩.	7.5	2,5	2	%	م. د	3.5	3.0	3.5	4.0	4.0	۲.ک	3.5	3.5	5.0
Sw		2.5	70	2	7	7	7	7	رگ	5	6	7	7	7	7		و	7	7	Δ)	6	7	ぺ	7	ৰ	1	9
ğu	(Mc)		Du	4	e	2	00	9	4	12	7	ત	~	5	7		ৰ	4	7	7	2	4	9	00	00	9	7
Station <u>Enkoping, Sweden</u>			Fam	59	23	5.5	15.5	55	2,5	49	45	37	15%	34	35	*~	37	37	39	39	46	53	5.5	5.2	57	57	5-5
En1	Frequency		Ldm	6.5	7.5	7.5	75.	7.5	5.0	3.0	4,0	* 7.	4.20	6.0	5.0	* ~ °.	¥.5.	\$.0	4.0	3.5	* °	† 1 ,	3.5	*3.	5.5	6.0	335
Ę.	anb		V _{dm}	4.0	4.0	4.0	0.5	4.5	3.0	6./	* 'S'	* %	**	اري. دري	3.0	, v,	L/V	* ×.	2.0	1.5	*	* °	7.5	\$ °5	3.0	15.5	3.0
tatic	Fre	495	Ja	7	7	~	5	8	4	4	9	8	(2)	4		7	3	3	~	9	7	7	7	7	7	9	7
ऊ		4.	D _Q	18	77	61	10	6	7	/3	5	4	~	~		7	,		4	9	9	10	14	0	16	7	8
			Fam		75-	73	21	67	63	19	63	52	12	25	* <u>5</u>	53	13	75.5	57	65	11	11	73	73	73	75	75-
Щ			Ldm F	90	8.0	7.0	8.0	8.0	7.0 1	8.0	0.0/	9.5		0	3.0	0 //	12.0	/3.0	8.5	9.0	0.0/	8,5	0.//	0.0/	0.0	0	9.0
NOISE			* E		12	0	0	Q	3.0 7	8.0.2	5,072	6.5.8		5.0 9.	ي ک	6.0	7.0 /	9.0 /	4.5	5.0 9	3.0 /2	4.5 8	1/59	6.0 /	4.0	3.5 7.	4.51
		0	DZ Vdm	4 40	6	<i>∞</i> ω	2	1 4.	<i>M</i>	2	5	5	e	γο , ζ	2	00	6 7	9	7 4	2	10	7 4.	9		6	3	7
9		.160		4				5- 11	_	7	15	اح	00	7	7			<i>></i>	9	9	7	5		7			
\Z			n O m	99	00	105 2	4	106 3	103 10	. 56	95	97 3	35 8	93	92	93 6	93 4	8 16	_	93	93	96 5	97 4	7	99 6	116	7 00
LE			n Fa	_	5-10.	0/	0/0		1/					=				_	6	_		_	0	197		5.	12.0 100
R			Dr Vdm Ldm Fam	7.0 12.0	7.5 12.5 103	7.0 11.5	7.0 13.0 105	6.0 13.0	10.0 16.5	17.	* * 9.0 /3.5	* 0	0.11 0.8 5	0 /// 0	85 12.0	* 00	0.0/		6.5 10.5	10 11.0 16.0	10.0/	6.0 10.5	0	2.9 0.2	7.0 11.0	6.0 10.5 99	(7)
S			Vdn	_		7.0	7.0	8.2		7.0	* 0,	12.0	*00	7.0	00	*7	6.0	6.5	5.5	1/-			75.5	_	7.0		7.0
当		051		~	~	76	7	7	7	6	~	000		7				•	2		7	7	7	7	Μ	m	~
A F			Du	4	10	3	ત	m	ام	13	00	10	17	イ/				00	000	1	9	7	7	n	7	3	7
>			Fam	116	116	116	911	115	611	108	70/	86	76	97	40	\$6	498	86	101	108	801	1/2	114	114	511	9//	117
民			Ldm	9.0 145- 116	16.0	15.5	16.5	17.5	18.0	18.0	19.0	17.5	17.5	0.51	9.5/2.0	12.0	11.5	10.0	10.0	10.0	2.01	9.5	10.0	11.0	11.0	12.0	9.0 14.5 117
10			DA Vdm Ldm Fam	9.0	10.0 16.0 116	10.0 15.5	4 11.0 16.5	11.0	5- 11.5 18.0 112	11.0 18.0	4 13.0 19.0	11.0 17.5	11.5 17.5	9.0 15.0	12.	7.0 /2.0	7.0 11.5	6.0 10.0	6.0 10.0 101	6.0 10.0 108	6.5	5.0	5.5 10.0	6.0 11.0 114	7.0	7.0 12.0	9.0
MONTH-HOUR VALUES OF RADI		013	γ _Q	4	n	2	3-	7	اک	12	7	~	*	7	7	7	2	7	76	7	m	3	~	7	7	2	152 2 4 9.0 14.5 11.7 4 3 7.0 120 100 7
F		,	Da	4	~	4	٠,	જ	1	4	7	7	¥	~	8	4	3	0	78	8	_	γ	S.	8	7	8	7
Z			Fam	152	152	152	/5.2	152	152	150	141	144	th.	144	146	146	147	841	841	841	147	841	641	150	150	757	3
Ž	(TS.	د (٦	noH	00	10	02	03	04	05	90	07	08	hh/ 60	0	=	12	13	4	5	91	17	18	6	20	21	22	23
	-																										

 $F_{\alpha m}$ = median value of effective antenna noise in db above ktb D_{u} = ratio of upper declie to median in db $D_{\mathcal{E}}$ = ratio of median to lower declie in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

19-29-18-005U

1			E P	3.0	3.0	3.0	3.0	3.0	3.0	3.5	3.0	* 5.5	2,5	* ~ ~	2.5	+ 1	4.0	4.0	4.5	40	4.0	4.0	4.0	3,5	3.5	3.5	3	
19 65			Vdm Ldm	-5.	1.5	1.51	1.5.	7.5	15.	1.5	1.5	+~	0.	*.c	1.5-	ە * ئ	2.0	0.4	2,5,	2.5	0.	٥.	3.	151	1.57	1.5	1.57	
<u>6</u>		0	₹ _Q	~	~	~	0	~	ત	~	γ	~	7	~	7	7	3	ч	4	7	~	7	~	-	જ	0	٥	
- 1		2(Da	0	_		7	7	-	3	3	7	4	4	α	~	~	7	~)	4	-	,λ	7	7	ィ	જ	4	
ril			Fam	20	20	30	8/	30	200	61	20	20	30	20	7	~	ر ر	70	77	20	00	20	20	81	18	18	8/	
April	ŀ			6.0	5.0	0	4.0		5,0			10.0					2.0	12.0		10.5	7.0	5.9	7.	2:0	6.0	5.57	2.5	
Month			De Vam Lam	0	2.0	3.5	3.0		3.0			7.0 /					1.0	7.0		5.0 /	4.0	3.5	4.0	3.0	3.0	5.0	2.5 5.5	
δ		10	70	00	9	4	7	7	6	7		2							7	7	e	01	~	9	9	`	7	
.1		. 1	n _O	0/	0/	0	2	7	~	20		9/							11	12	9	0/	30	15	26	7	00	
.3E			E G	40	38	37	34	940	4	42	44	hh	40	38	38	46	54	5.0	84	54	84	ζ	50	84	46	44	44	
17.	-			7.0	7.0	7.5-	9.0	9.5	7.0 1	8.0	9.5	10.5	15.6	18.5	11.0	13.0	18.0	11.5	8.0	7.0	0.0/	5,5,	7.0	7.0 4	7.5	70,	6.5	
Long.			Vdm Ldm	4.0	75.5	4.0	5.0	2,5	a 25	5:5	7.5	95/	75.	12.5/	6.0	0.00	12.5/	851	0.5	Se	0.9	3.0	15.6	4.0 %	4.5	0.0	3,5/	
ZI			70	3	9	6	9	7	<u>س</u>	4 5	7	0		7 9	,	7	9	7	9	72	7	76	3	4	4	15	9	
59.5N		5	n _O	7	7	9	9	7	2	6	6	8		12		6	7	00	0	3	9	η	*	00	9	12	9	
			Fam	55	55	52	3	5)	200	43	39	39	* ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	31	*~	30	31	35	37	43	47	23	57	57	57	500	22	
Lat.			* ##p	13.0	0.0	0.0/	10.5	0.11	7.5	7.5	3.0	8.5	/3.0	40	5.0	7.0 %	7.0	7.0	6.0	4.0	7.0	7.5	7.0	10.0	9.5	15.6	120 57	
den			Dr Vam Lam	7.0 /	15.9	6.0	5.5	6.0	4.5	5.0	8.5	6.0	9.0/	2.0	2.5.	4.5	4.0	4.5	5.0	2.0	4.0	4.0	0.0	5.0 /	5.7	5.5	7.5	
wed		. 5	7 ₀	e	7	. 7	7)	,	-	7	~	3 (7	7	00	5,	و۔		00		-					
Enkoping, Sweden	(Mc)	2	Du	ব						10	6	6			5		9	7	7		7							
opin	٤		Fam	12	· * 9	2.9	2.0	\$ 29	*55	39	36	32	*2	34	34	* ×2	35	33	37	37	5	*55	23	10	63	e*	6x	
Enk	ncy		Vdm Ldm	30	۵.	5.5	3.5	5.5	4.5	40	5.0	5.0	0.9	6.0	5.5	5.5	3.0	5.5	5.0	5.5	4.0	5.0	3.5	3.0	1,5/	6.0	4.0	
	Frequency		*#b^	0.5	0./	12,5	15.	40	2.0	0.6	, v.	3.0	3.0	3.0	3.0	3.0	1.0	3.5	0.0	35,	8.0	3.0	عي ك	0.	0.5	3.5	1.0	
Station	Fre	495	70	7	ú	14	7	ત	9	00	4	w	2	8	4	~	^	7	7	প	~	2	7	9	0/	6	10	
Ś		4.	۵	0/	ŭ	6	2	00	6	01	~	7	76	9	/3	70	7	7	0/	00	2	5	70	~	00	/3	14	
			Fam	26	85	158	69	19	55	5-5	5.5	45	23	55	5.5	75	55	552	57	55	19	69	69	75	18	3	83	
NOISE				7.0	0.61	13.0	10.5	0.0	8.0	5.8	9.0	8.0			6.0	9.0	12.0		/3.0	9.5	8.5	20.5	8.0	9.0	9.0	10.0	10.0	
Ö			Da Vam Lam	3.0	7.5	6.0	5.0	4.5	45	4.5	4.5	3.5			3.5	5.0	7.0	5.5	6.0	5.0	5.0	4.5	40	5.0	40	6.0	5.0	
		09) 7 d	00	00	7	ري	10	00	9	4	6	00	8		3	9	2	7	و	0	7	3	9	7	2	00	
RADIC		, 16	Du	11	7	9	7	7	00	7	00	7	0/	9		0/	/3	15,	7	1	00	0/	9	00	e	6	2	4
RA			Fam	95-	103	101	103	99	25	89	68	16	63	89	*00	88	68	6.8	87	68	16	16	95	97	103	66	103	7
			De Vam Lam Fam	7.5 12.0	12.0/03	135 101	12.0	140	16.0	* S:S/	* /s:s/	* /5.0	1000	70.0	4	19.0	* 18.0	6,57	*6	*0.	4.90	* 2:5/	14.5	13.0	12.0 103	12.0	5 8.0 13.5 103	40 47
0			mp/	7.5	7.5-	8.5	2.0	10.0 140	10.0 16.0	10.0/	11.5-	11.0	13.5 18.5	13.5	13.0	13.0	* 12.5	* * * //.5 //6,5	* 14.5	13.0 19.0	13.5	*//	9.0	0.0	2.0	7.0	0.0	
ES		051	10	4	7	2	12	76	9	9	00	00			12	9	7	10	5	ری	7	7	7	7	4	5	15	ion
Ţ		0.	٥	01	7	8	9	00	9	7/	25	10			17	17	91	/3	٦,	14	10	1.	10	00	00	8	7	nepan
>			Fam	117	117	511	115	109	101	101	99	103	h0/	10/	801	109	7/7	//3	1/3	///	113	111	115	117	611	611	119	Prio o
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 $F_{\rm Gm}$ = median value of effective antenna noise in db above ktb $D_{\rm U}$ = ratio of upper decile to median in db $D_{\mathcal R}$ = ratio of median to lower decile in db $V_{\rm Gm}$ = median deviation of average voltage in db below mean power $L_{\rm Gm}$ = median deviation of average logarithm in db below mean power

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Freque	160	Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr	9.5 155 122 9 6 10.0 16.0 106 8 4 to to 73 13 6	10.0 16.0 120 11 5 11.0 170 108 4 4 \$ 0 11.5 71 12 6 10.0	9.0 15.0 116 10 4 10.5 17.5 1.06 4 7 4.0 100 67 6 9	10.0 16.0 11.2 8 2 85 140 86 20 9 57 8 6 3.0	10.5170 110 6 4 13.5 19.0 80 6 6 5.5 85 85 59 9 6	105/20 104 9 5 7.0 14.0 86 4 6 3.0 6.0 53 5 4	1/5/75 100 /2 6 130 190 90 4 6 7.5 50 51 4 2 20	11.0175 102 8 8 125 180 86 6 4	11,5/70 108 7 7 \$50 \$15 86 6 7 \$40 7.0 53 2 4	11.5 16.5 10010 6 11.5 790 86 6 8 30 7.0 53 2 4	11.0170 116 8 10 120 185 87 8 5 4.0 80 53 6 4	11.017.0 118 8 6 12.0 19.0 92 7 9 12.0 75555 11 4	11.016.5 121 10 7 13.019.0 90 8 5- 20 125 54 12 5	11. 0 16.0 1.25 01 01 10 00 52. 1.35 00 851 10 0.01 0.01 0.01	10.0/5.5 124 10 8 13.0/9.0 94 8 8 485 125 55 14 H	11.0 16.5 124 8 10 13.0 190 94 8 10 10.0 16.0 18.0 157 14 6	9.5/4.5 124 8 1, 13.5 205 92 10 8 9.0 13.5 59 5 6	105 155 122 10 8 125 195 92 8 8 700 150 61 6 6	11.0 16.0 123 7 14 13.5 20.5 9111 7 7.5 125 65 4 5	10.015.0 118 8 10 140 21.0 94 5 12 40 140 67 4 3	8.5 /3.5 (220 10 8 11.0 16.5 100 6 12 6.0 10.0 23 4 4	90 140 124 8 8 9.5 150 106 4 10 7.0 100 75 9 5	9.5 15.0 123 9 6 11.0 16.0 108 2 4 6.0 45 75 13 8	9 7 10.5/170 106 8 4 7.5/11.5 73 16 8
Freque	160	Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr	122 9 6 10.0 16.0 106 8 4 4 6.0 12.0 73 13 6	3 10.0 16.0 120 11 5 11.0 170 108 4 4 \$ 10 11.5 11 12 6 10.0	10 4 10.5/7,5/106 4 7 4.0 10.0 67 6 9	100/60/12 8 2 85/40 86 20 9 57 8 6 3.0	110 6 4 13.5 19.0 80 6 6 5.5 8.5 5.9 9 6	104 9 5 7.0 14.0 86 4 6 3.0 6.0 53 5 4	100/2 6 130190 90 4 6 75 50 51 4 2 70	4 11.0175 102 8 8 125 18,0 86 6 4	1087 7 750 215 86 6 7 4.0 7.0 53 2 4	10810 6 115 790 86 6 8 30 70 53 2 4	4 11.0 170 116 8 10 120 185 87 8 5 40 80 53 6 4	8 6 12.019.0 92 7 9 12.0 7.555 11 4	121 10 7 13.0 19.0 90 8 5 7.0 125 54 12 5	6 11 22 12.5 01 10 10 10 15 10 01 ECL	H H 10 8 13.0 19.0 94 8 8 485 1351 55 HG	124 8 10 13.0 19.0 94 8 10 10.0 16.0 15.7 14 6	8 1, 13.5/20.5 92 10 8 9.0/3.5 59 5 6	105 155 122 10 8 125 195 92 8 8 700 150 61 6 6	7 14 13.5 20.5 9111 7 7.5 12.5 65 4 5	4 10.0 15.0 118 8 10 140 210 94 5 12 40 140 67 4 3	1 8.5/3.5 (20/0 8 11.016.5/100 6 12 6.010.0 73 4 4	2 90 140 124 8 8 95 150 106 4 10 70 100 75 9 5	2 9.5 15.0 123 9 6 11.0 16.0 10.8 2 4 6.0 45 75-13 8	2 100 160 123 9 7 10.5 170 106 8 4 75 #15 73 16 8
Freque	160	Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr	9.5 155 122 9 6 10.0 16.0 106 8 4 to to 73 13 6	10.0 16.0 120 11 5 11.0 170 108 4 4 \$ 0 11.5 71 12 6 10.0	9.0 15.0 116 10 4 10.5 17.5 1.06 4 7 4.0 100 67 6 9	2 5- 100 160 112 8 2 85 140 86 20 9 57 8 6 3.0	10.5170 110 6 4 13.5 19.0 80 6 6 5.5 85 85 59 9 6	6 4 105/120 104 9 5 7.0 14,0 86 4 6 30 6.0 53 5 4	6 2 1/5/75 100/2 6 130/90 90 4 6 7.5 50 51 4 2 \$	4 4 11.0175 102 8 8 125 18.0 86 6 4	5 2 11,5 170 108 7 7 \$50 \$15 86 6 7 4,0 7,0 153 2 4	6 2 11.5 16.5 108 10 6 This TGO 86 6 8 30 7:0 53 2 4	5 4 11.0170 116 8 10 120 185 87 8 5 40 60 53 6 4	7 5- 11.0170 118 8 6 20.019.0 92 7 9 12.0 775155 11 4	11.016.5 121 10 7 13.019.0 90 8 5- 20 125 54 12 5	6 4 11.0 26.0 123 10 5 135 200 91 10 10 9.5 140 56 111 6	10.0/5.5 124 10 8 13.0/9.0 94 8 8 485 125 55 14 H	11.0 16.5 124 8 10 13.0 190 94 8 10 10.0 16.0 18.0 157 14 6	9.5/4.5 124 8 1, 13.5 205 92 10 8 9.0 13.5 59 5 6	105 155 122 10 8 125 195 92 8 8 700 150 61 6 6	8 3 110 160 123 7 14 135 2055 91 11 7 75 125 65 4 5	10.015.0 118 8 10 140 21.0 94 5 12 40 140 67 4 3	7 1 8.5/3.5 20/0 8 11.0 16.5 100 6 12 2.0 10.0 73 4 4	90 140 124 8 8 9.5 150 106 4 10 7.0 100 75 9 5	6 2 9.5 1.50 123 9 6 11.0 16.0 108 2 4 6.0 \$55 75-13 8	4 2 100 160 123 9 7 10.5/120 106 8 4 7.5 11.5 73 16 8
Freque	160	Du Dr Vam Lam Fam Du Dr Vam Lam Fam Du Dr Vam Lam Fam Du Dr	6 2 95/55/122 9 6 10.0 16.0 106 8 4 to tao 13 13 6	5 3 10.0 16.0 120 11 5 11.0 170 108 4 4 4 6 0 11.5 71 12 6 10.0	3 2 9.0 150 116 10 4 10.5/17.5 106 4 7 4.0 tao 67 6 9	2 5- 100 160 112 8 2 85 140 86 20 9 57 8 6 3.0	2 5 10.5/70 110 6 4 13.5/90 80 6 6 55 \$5 59 9 6	6 4 105/120 104 9 5 7.0 14,0 86 4 6 30 6.0 53 5 4	6 2 1/5/75 100/2 6 130/90 90 4 6 7.5 50 51 4 2 \$	4 4 11.0175 102 8 8 125 18.0 86 6 4	5 2 11,5 170 108 7 7 \$50 \$15 86 6 7 4,0 7,0 153 2 4	6 2 11.5 16.5 108 10 6 This TGO 86 6 8 30 7:0 53 2 4	5 4 11.0170 116 8 10 120 185 87 8 5 40 60 53 6 4	7 5- 11.0170 118 8 6 20.019.0 92 7 9 12.0 775155 11 4	8 4 11.0 16.5 121 10 7 13.0 19.0 90 8 5 7.0 12.5 54 12 5	6 4 11.0 26.0 123 10 5 135 200 91 10 10 9.5 140 56 111 6	6 4 10.0155 124 10 8 13.019.0 94 8 8 785 #51 55 14 H	6 6 11.0 16.5 124 8 10 13.0 19.0 94 8 10 10.0 16.0 15.0 14 6	P 2 9.5 14.5 124 8 11 135 2005 92 10 8 9.0 13.5 59 5 6	7 3 105/55/122 10 8 125/95 92 8 8 100/50 61 6 6	8 3 110 160 123 7 14 135005 91 11 7 75 105 65 4 5	5 4 10.0 15.0 118 8 10 140 21.0 94 5 12 40 140 67 4 3	7 1 8.5/3.5 20/0 8 11.0 16.5 100 6 12 2.0 10.0 73 4 4	5 2 90140 124 8 8 95 150 106 4 10 70 000 75 9 5	6 2 9.5 1.50 123 9 6 11.0 16.0 108 2 4 6.0 \$55 75-13 8	4 2 100 160 123 9 7 10.5/120 106 8 4 7.5 11.5 73 16 8
Freque	160	Dr. Vam Lam Fam Du Dr. Vam Lam Fam Du Dr. Vam Lam Fam Du Dr.	2 95 155 122 9 6 10.0 16.0 106 8 4 to tao 73 13 6	3 10.0 16.0 120 11 5 11.0 170 108 4 4 \$ 10 11.5 11 12 6 10.0	2 9.0 15.0 116 10 4 10.5 17.5 1.06 4 7 74.0 120 67 6 9	5-100/60/12 8 2 85/40 86 20 9 57 8 6 3.0	5-10.5/70 110 6 4 135 190 80 6 6 5.5 851 59 9 6	4 105/20 104 9 5 70 140 86 4 6 30 6.0 53 5 4	2 1/5 175 100 /2 6 130190 90 4 6 75 50 51 4 2 \$	4 11.0175 102 8 8 125 18,0 86 6 4	2 11.5 120 108 7 7 \$50 21.5 86 6 7 \$0. 23 2 4	2 115 165 108 10 6 115 790 86 6 8 30 70 53 2 4	4 11.0 170 116 8 10 120 185 87 8 5 40 80 53 6 4	5 11.01.70 118 8 6 73.019.0 92 7 9 72.0 7.5555 11 4	4 11.016.5 121 10 7 130 190 8 5 70 125 54 12 5	4 11. 02/6.0 123 10 5 13.5 200 91 10 10 9.5 140 26 111 6	4 10.0155 124 10 8 13.019.0 94 8 8 785 25 125 14 4	6 11.0 16.5 124 8 10 13.0 19.0 94 8 10 10.0 16.0 15.0 15.14 6	2 9.5/4.5 124 8 1/13.5 2005 92 10 8 9.0 /3.5 59 5 6	3 105 155 122 10 8 125 195 92 8 8 700 50 61 6 6	3 11.0 16.0 123 7 14 13.5 Des 91 11 7 7.5 12.5 65 4 5	4 10.0 15.0 118 8 10 140 210 94 5 12 40 140 67 4 3	1 8.5/3.5 (20/0 8 11.016.5/100 6 12 6.010.0 73 4 4	2 90 140 124 8 8 95 150 106 4 10 70 100 75 9 5	2 9.5 15.0 123 9 6 11.0 16.0 10.8 2 4 6.0 45 75-13 8	2 100 160 123 9 7 10.5 170 106 8 4 75 #15 73 16 8

 $F_{\rm Dm}$ = median value of effective antenna noise in db above ktb $D_{\rm U}$ = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

RN-13

19-59KTH-0050

USCOMMUNES-PL

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		2	Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm	7 86 6 5 70 6 10	7 86 7 6 68 7 8	6 84 10 5 68 8 8	6 82 12 6 68 8 8	8 81 12 7 64 11 6	4 75 18 6 62 14 6	8 01 15 5 11 69	4 8 4 8 4	7 57 6 3 38 8 2	4 559 6 4 36 5 3	3 56 6 3 34 4 2	2 59 6 4 34 3 4	4 57 7 3 34 2 3	4 3 3 3	2 t t &	5 5873 3561	7 5983 388	5 60 10 3 45 10 3	6 6 9 7 59 10 5	5 76118 63115	6 82 8 8 68 8 8	8 8678 16987	9 6 9 6 70 7 6	9 10 6 70 7
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MONTH-HOUR VALUES OF RADIO NOISE	(LS	. 135 . 500 .	Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm	7 86 6 5 70 6 10	7 86 7 6 68 7 8	6 84 10 5 68 8 8	6 82 12 6 68 8 8	8 81 12 7 64 11 6	4 75 18 6 62 14 6	8 01 15 54 10 8	4 8 4 8 4	7 57 6 3 38 8 2	4 559 6 4 36 5 3	3 56 6 3 34 4 2	2 59 6 4 34 3 4	4 57 7 3 34 2 3	4 3 3 3	587342	5 5873 3561	7 5983 388	5 60 10 3 45 10 3	6 6 9 7 59 10 5	5 76118 63115	6 82 8 8 68 8 8	8 8678 16987	9 6 9 6 70 7 6	9 10 6 70 7

 F_{qm} = median value of effective antenna noise in db above ktb D_u = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

NOISE
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Station Front Royal, Virginial at, 38.8N Long, 78.2W Month April 1962

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 F_{Om} = median value of effective antenna noise in db above ktb D_u = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

RN-13

US COURT APS - PL

USCOBIL-NES-ER

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yal, Virginia Laf.
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RADIO NOISE
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VALUES
MONTH-HOUR VALUES OF RADIO

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 F_{am} = median value of effective antenna noise in db above ktb D_{μ} = ratio of upper decile to median in db $D_{\mathcal{R}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

RN-13

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OF RADIO NOISE			Ldm	21.0	215	21.0	20	20.5	21.0	20.0	180	175	19.0	220
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 $D_{\mathbf{U}}$ = ratio of upper decile to median in db $D_{\mathbf{X}}$ = ratio of median to lower decile in db

V_{dm}= median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

7			P Ld	21.5	5	600	60	3	2.03	60,	76 4	772	263	3.0 4	4	12	1/2	25 4	7	50 5.	260	35.5	3.6.5	75 4	7	2 57	557	1
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			Fan	35	00	8,	35	85	79	59	15	15	57	55	53	5	45	55	119	149	58	61	17	78	18	33	88	
SE			Ldm	18.6	001	16.0	110 200 85 11	11.0 17.0 85 11	9.5 15.5 79 1.3	16.0	14.5	80 145 53 33	012	110 190 55	195	145	65	13	5.0	£.5°	180	136	200	215	235	170	115	
Q			mp/	7.7	30	3.5	101	2:2	15	20	10%	0	20	7.0	15.	0.9	150	2	0:	0.2	2	8.0	01	25	45	11.	30	
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			Vdm	115	001	105	105	10,0	11.5	011	11.5	12.0	125	13.5	150	130	65	4.5	6.5	140	13.0	136	115	130	13.5	19.0	135	-
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R.			Ldm	H	151	15.	150	16.0	19	16	16.	181	18.	17	17.1	2	20	23	15	123	13	100	14.0	171	16.5	151	14.0	
오			D& Vdm Ldm Fam Du	3 1CC HC 130 5	16.0	9.5	6 100 150 133 6	5 11.0 16.0 131	5 105/65 131	4 100165 127	10:0 16:5 119 9	11.5	11.0	2 11.0 17.0 110 19	110	120	12.5	135 225 111 16	13.5	15.6	M.O 220 104 18	13.5	12.6	110	105	201	85	
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MONTH-HOUR VALUES OF			Du	4	155 2	02 1554 4 9.5 155 131 6 5 105 165 106 9	11	****	7		64	9	151 7 4 11.0 186 109 23 8 125 140 86 23 14 126 210 51 35 4 50 80 33 15 4 30 40 25 14 4 36 50 26 12 4 50 80 22 2	Ü	7 4 110 170 112 17 9 150 220 78 32 6	or	149 8 2 125 20 113	8	15/15/6 4 135 214 113 16 8 155 235 76 33 6 30 130 49 41 4 50 75/31 21 4 49 30 20 30	1	/2	146 4	_	144 8 2 110 175 123 11 10 130 210 114 10 14	7	153 6 4 100 150 125 12 4 150 250 104 12	23 153 6 2 85 140 127 16 4 130 210 106 12	3
Z			Fam Du	154	13	55	153	04 155 2	155	155 4	(53)	1516	121	144		149 8	14	14	1/5	11/2	140	14	147 G	120	191	53	53	
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アングランクラング

 $F_{\rm dm}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\rm g}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

INCOMPANY.PL

May
Month
M Long. 159.7W
ong.
· Lat. 22.0N L
Lat.
Kekaha(Kauai), T. H
Station
NOISE
RADIO
P
VALUES
MONTH-HOUR

19 62

		E	35	25	3.0	50	2	20	3	2	5	3	17	5	7	15	12	5.	15	7	5	13	15	3.5	20	5	
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:		Fam	K	hc"	1,7	12	74	47	74	7.7	The.	6.7	27	5	3	27	7	47	53	3.3	23	17.	74	14	2	h7	
i		Ldm	50	5.0	6.0	5.5	50	17.	6.5	5.5	45	5.0	11.0	33.	1.3	120	10	65	,	24	45	4.5	5.5	5.6	45	45	
		\dm \dm	13:	2.5	40	30	30	50	21/4	36	30	. t.	2%	から	20	500	5.0	4.0	25	2.0	20	20	36	2.5	25	25	
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		Fam	3.	17/4	42	10h	38	32	338	34	3	Ti	22	2,	20	17	c i	25	22	11/2	50	2,	2	50	48	43	
		Ldm	J.C.	0.6	1,5	0.0	105	1.6	95	光	12.5	3.	0/	5.	7.5	S.C.	5.5	4.6	0.7	0.0	1.6	15	100	17.2	10	1.C	
		Vdm L	13	1.0.5	.C.	5.5	101	5,5	5.0	10%	5.61	5	10.	9	0.0	15.2	1.5.	5.6	5.	5.	01	35 7	3	5.5	, ·	7	
	20	70	4:1	433	2	6.	5	3	3	C C	3/	e.	*	7	7	*4	*	300	2	00 *-	+	(1)	6	(C)	7	9	
		Du	La	2 10	8	15 6	7	5.	8	12 0	/	14 6	7 2	0	0.0	N	57	C4	61	5	7	<i>"</i>		7	8	9	
		Fam	0	2 6	==	52 1	50	50 :		==	36 1	7	20	1/	4 /	26 1	78	30 1	32	1/	0		50 8	50 :	50 8	50 0	
		F	5 60	0 62	5 64	6 3		0 5	55 90 48	5.0 40		5.	5 2	0	0 2	5,	3		_	0	40	5 48		13.5 5		0	
		De Vam Lam	5 105	8.0 13.0	5 12	7.0 11.0	0 165	5 11.	5.9		2.90	545	5 4.	0.00	150	3	5.45	040	235	040	3.4	5.55	5 105	0 13	65 105	0	
	2	Vdr	65	فننت	2	7.0	7.1	6.5	3	3.5	4.0	Ci.	2	3	3.0	20	25	2.0	2.0	2.0	2.0	35,	6.5	8.0	3	18.0	
	2.		7	9	9	7	8	7	10	w	7	6.	7	N	S	67	61	7	2	4	2	7	5	6	S	9	
(Mc)		Du	14	14	10	13	13	14	17	22	7/2	12	15	19	14	19	23	2	52	16	3/	18	16	13	5	6	
		Fam	55	157	59	5.7	57	157	5	1/	37	37	35	55	33	33	33	5	33	35	35	45	15	56	57	57	
Frequency		Vdm Ldm	16.0	120	5.55	9.5	11.5	10.0	5.5	13.0	7.5	35	15.0	155	3.0	15.5	4.0	55	100	63	8.0	12.5	140	17.	180	17.0	
nba		Vdm	0.8	5.5	9.5	4.5	20	5.5	25	6.5	45	5.0	65	50	5.0	125	4.0	35	5.0	35	40	7.0	8.0	4.0	7.5	9.5	
F	495	70	4	10	7	30	6	13	1.	e	7	7	2	S	N	3	e	5	T	Ţ	e	4	12	7	5	12	
	4	D	3	22	23	21	74	24	39	42	7.	45,	42	43	37	11	34	iΨ	43	48	14	25	21	22	20	22	
		Fam	74	18	79	18	79	75	57	55	53		53	20	<u> النائدة</u>	55	53	52	15	1,5	57	70	77	77	77	77	
		mp-	14.0	0.6	9.0	5.0	20	170	3HC	14.0	13.0	150 51	_	135	70 130 49	16.5	5.7	136	50	130	11.0	120	50	15.0	15,0	17.5	
		DZ Vdm Ldm	75 1	115/1	15.	101	0	9.0 1	36	10.	0.	501	8.0 145	7.01	10.	8.5	10:	5.	55	1.01	5.5	6.01	90 150	3.5	80 15.0	101	
	9	70	10 %	7 1	Š	5	6	2	·~	ら	-3	9		e	7 [7	7	7	2	4 4	50	5,0	20	0	8		
	-			19 0	8/	20 0	19	20			38		40 4		29	36 1			11				_	٢~	11	9	
		E	1 7			12 2			2	3 44		2	4 4	4 3		723	7 4	24	7 0	2 4	55	2	2	- 5	100	100	
	_	De Vam Lam Fam Du	7 70 140 162 13	9 105 155 100	8.5 16.5 162	5 16	16.0 175 113	11.0 19.0 99	100 165 79	To:0 170 73	8.5 130 76	8,5 135 76	165 150 74	9.5 150 74	8.0 HO 75	5 7	75 150 72 42	5	90 145 70 41	9.0 140 72 43	75 110 73 42	55 110 86 27	5 9	85 16.0 99	96 155 100	9.5 14.0 110 110	
		n Ld	14	5 15.	.3	5 17	0 17	19	5	0 17	5 13	5/5	5 15.	5 15	三	H.	11/2	150	3 14	11 6	11/2	5 11.0)	5 16.	5 15	5 16.	
~		Vdr	7.0	10.5	90	10.		11.0		Ė			10.	9.		9.6	71	100	9.6	9.1		5.	7.6				
	.051		=		co	9	6	5	6	21 5	.9		<u></u>	6	(Y)	10	12	0	9	80	9	50	9	1	7	7	
		Da	1	6	*	12	12	57	91	21	20,	3	23	19	H	18	18	7	, 23	3	32	2	12,	5	14	1	
		Fam	127	13	129	124	121	127	119	113	100	106	11.9	III	///	///	111	169	100	103	10%	13	120	(27)	123	53	7
		-dm	130	150	H.5	15.5	6.5	170	16.0	16.0	15.5	15.5	14.5	15.0	145	155	H5	146	156	155	155	14.5	10.0	エジ	13.6	5.7	;
		Vdm	7.5	0.6	8.0	95 155 129 12 6 10.5 175 102	23	10.0 170 127 12	100	9.5 16.0 113	46 155 165 29	90 155 106	8.5 MS K9 23	9.0 15.0 111	95 HS 111 14 8	16.0 155 111 18 10 9.0 145	90 H5 111 18 12	8.CHC 149 21 10 10C 155 72 40	9.5 150 106 23 9	9.5 155 103 30 8	90 155 102 32	8.0 145 113 21	8.5 150 120 15 6 70 135 96 22	85 145	75 135 123 14 4	4 11 821 1521 52	Ì
	113	D& Vdm Ldm Fam	2 75 130 127 11	4 9.0 150 129	4 8.0 HS 129 11	3	04 155 8 6 166 165 124 12	3	06 153 6 4 101 16 119 16 5		H	3	2	4	7	4	01		4	H		7	N	12		3	
	C	Du	c		e'		30	9	ં	151 6 4	7		5	==	151 2 4	i		10	7	5	3	e	90	c-			:
		Fam	6.3	9 551	155	03 154 6	55	153	53	121	151	9 1/1 60		15/5	151	151	HH H	149	149	bh	bhl	7 641		151	121	23 153 4	
(1S	اد (٦		00 15%	10	05	23	7	05 1	190	07 /	08	60	10 149	1	12 /	13/	14	15/	91	17 149	8	61	20 144	21	22 151	23	L
1			0											است									10	(0)	(9)	-4	

 F_{qm} = median value of effective antenna noise in db above ktb D_{μ} = ratio of upper decile to median in db $D_{\mathcal{R}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

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1			* Ep	3,5	3.5	5,2,5	3.2	4.0	3.0	الح. ي	5.5	0.5	3.5	4.0	5:0	0.8		70.5	3,5	5.0	4.0	40	3.5	٥.٧	3.0	2.5	4.0	
9,62			wp\mp^	کری	5.0	7.5	5.5	٠. ک	2.0	7,5	3.5	ر پر	گ. ه	3.0	w.	5.5		5.5	2.5	0 %	2.5	۵.۶	8,0	گ. د	1.0	\$.3	2.5	
<u>6</u>		20	7 0	~	~	4	べ	\sim	~	7	\sim	m	~	7	9	7	~	7	~	7	イ	8	7	7	7	7	ょ	
February			Du	W	~	4	4	7	જ	~	W	7	9	~	7	4	7	7	7	11	7	7	7	8	4	76	~	
hru			Fam	75-	25-	25	758	25-	25	25/	75,	ho	33	25	50	77	26	28	77	26	25	کیکم	١,٥٤	150	750	کلم	32	
			Ldm	6.0	* 6.5-	* 0.5	4.5	* X	3.5	4.0	3.5		\$.0			4	4.5			* 6	3.0	7.5		6.0	6.0	0.8	و 4	
Month			Dr Vam Lam	3.5	4.5,	4,5	*~i	* °	2.5	* %	8.0		*30			4.5	440			6.0	400	40		*w.	4.0 6.0	5.0	3.0	
Ž			DE	4	2	5	n	9	~	3	ۍ	べ	7				4	7	3	^	7	7	7,	7	7	3	17	
ഥ		-	Du	10	<i>></i> ∞	4	1~	4	9	4	7	m	7				18	17	38	15	7	2	7	13	^7	5	7	
77, 3E			Fam	ah	ah	42	40	do	38	38	4	04	36	***	77	42	34	36	38	54	50	48	36	96	hh	47	4	
g. 2			Vdm Ldm	¢.0	* '5	* 2,5,	· 2'	ادر *	5.0	7.0			\$.0	\$ ° ° °	¥ 00	* C	\$55	× 0.	× 0	2.5	* 0°	7.5	\$00	8.5	¢ (0.0)	9.5	8.0	
Long.			Ndm	* w 's	4.0	* ° °	* 10	*2	3.0	4,0			جر* در	**	4.5	* 0.7°	*v3	*0	¥3;	\$.0	¢.0	* 2.5	3.0	5.0	4.5	6.0	15:5	
			Z	2	7	7	7	76	7	-	و	~	00	7	~	~	7	2	6	00	9	11	7	7	2	9	7	
28.8N			no	9	2	00	~	h	د	4	h	00	-9	7	0	11	18	17	24	7	14	0	9	7	00	7	7	
Lot.			Fam	3-6	9	5-5	5-8	1-5	42	54	3	hh	44	38	38	38	40	39	94	48	5,5	19	77	79	9	3-8	57	
			Vdm Ldm	# //.0	6.5	* '	* 0.	40.	*,2		4.0	\$ 0:5	· ``	+ 2.		\$ 5:0	¥ ¥	* 2.	e**	* °	0.0/	* 00	11.0	0.//	4//.0	11.0	* 0 //	
lia			Vdm	¥ 0.9	* 2.	*0°	*0	° (*	40		3.0	* 2	*2.	* ~ &		3.0	* ~	* ~	* 6.	*3	2:5	7.0	2.0	59	70.	*10	15.0	
Inc		2.5	7 0	00	6	-9	3	7	1,2	ત	V	17	00	5	7	7	7	7	7	7	10	17	19	~	10	10	<i>∞</i>	
गुप	(Mc)		D _u	00	7	10	S	13	14	13	00	2	10	2	マ	<i>ک</i>	7	7	28	7	27	19	2	00	00	7	10	
, De			Fam	67	99	65	63	19	19	57	1-7	15	49	78	47	47	76	47	47	49	57	65	70	59	69	17	65	
Station <u>New Delhi, India</u>	Frequency		DC Vdm Ldm	17.0 21.0				14.0			4.5	5.0	3.0	2.4 2.6	4.0			8:0	14.0	4.5	7.0	17.0	0.0/	2.6	9.5	11.0 16.0		
Loi	edn		*up∧	_				10.5			2.5	12.4	2.0	12	3.			3.0	9.0	3.0	4.5	0.//	7.0	5.5	2.0	//.0		
Stat	Ē	545	7 ₀	10	-	8	-9	9	16	7	و	7	4	7	9	7	7	7	6	7	13	14	18	17	۲/	/3	15/	
•			D _O	7	17	17	17	61	/2	1/	20	19	~	77	7	ر ح	34	715	3	36	28	9/	16	- 11	14	61	7	
1.1			Fam		99	00	84	80	82	125	89	79	7	68	70	70	72	73	76	73	88	52	46	36	92	16	6	
NOISE			Vdm Ldm	15.5 17.5	15.0 20.51			14.0 18.5	12.0	175	24.5					17.0 23.0	13.520.0	1/0 18.0	19.0	13.0 20.0	19.0	14.0	11.0 15.0	18.0	16.5 23.0	23.0	16.0 230	
2			*₩p^	75.5	15.0			_	9.0	13.0	17.0					_		=	12.5	13.0	73.0	9.	0.//	12.0	2.9/	150	1/2	
0		160	7 _Q	7		6	9	W	10	9	7	73		~	10	18	18	15	95	77		~	, 1	18	//	8	00	
AD			n Du	17	11	17	9	9/	8	2	51	20	20	70	26	72	1 23	27	19	-27	'n	71	3/5/	7	11.5 175 115 13	7	3 8.5 12.5 114 14	ktb
<u>a</u>			De Vdm Ldm Fam	011	011	3 11.0 17.0 112	109	10,5 16.5 106	0//0	16 0	86 -	2	93	194	62	86	104	86 0	11 125 195 116	16.0 105	8010.66 2:21 31	114	10 14.5 20.5 113	116	5//5	1115	1/4	apove
OF			+ Ldπ	13.0 17.5	12.0 16.0	12.0	0.8/	16.5	17.0	12.0 16.0	8.5 12.5	13.0 18.0			12.0 16.0	0.9/ 0.8/	11.0 17.5	17/3,5/8.0	19.5	16.1	28	14.0 20.0	200	13.0 19.0	2/7.	0.0/ 15.0	2.5	qp c
S			Vdm		12.0	1/.0	13.5		- 12.0							7.7	11.0	/3,5	12.5	9.0	15.21	14.0	14.5	/3.0			8,5	oise ir
J.		0.51	_	γ	~		7	4	5	2	اری	5	7	5	10	12 14	6 -			23		/3		17	6	9		שונים
AL			n Du	3 /2	3 /2	3 10	2	0//	6	3 7	12/14	3 16	17	3	20		25,	6	32	6/6	0 / 8	7/4	7	0/	5	0/	3/2	ante
>	ļ		Fan	1/3	133	133	133	13	15.0 13/	129	7/	://	109	[//]	117	123	6//	77	Ž	ζ	<u>Ž</u>	73	_	1/35	138	/35	(2)	ective
UR			D& Vdm Ldm Fam	10.0 14.0 133	0.5/	9.5 135	0:9/	11.0 11.0 131	15.0	11.0 15.5 /29	17.5	5/1 5:51 0:01		4 130 18.0 113	13.0 19.0	18.0 125	4 130 160 119 25	6 13.5 18.0 126 19	11.0 15.5 125 22	921 0.21 0.11	10,5 14,5 130 18		9.0 13.5	9.0 13.5 135	10.0 13.0 135	/3.0	9.5- 135 133 12	f offe
오			μ _p Λ		10.0	9.5	10.5		11.0					/3.0		_	/3.0	13.5	1		,10,5		9.0	_		9.0	9.5	alue o
MONTH-HOUR VALUES OF RADIO		013	_	~	76	_	~	~	~	7	7	7	~		7	4			7	7	(2)	7	7	7	78	4	7	$F_{\alpha m}$ = median value of effective antenna noise in db above ktb
F		,	n Ou	5 6	12 15	27	7	4 3	7	رح ح	~	~	9 5	1 3	7	1	0/ /	3	3 10	∞ ∞	76	00	7	7 4	7	7 4	7 4	= med
10			Fam	157	155	15.5	3 /55/	1 155	5 155	5 155	153	151 8	149	151	151	151	151	153	(55)	1.55	155	153-	1,55	157	157	157	15.7	Fam
	(TS.	1) 1	noH	8	0	05	03	04	05	90	07	80	60	10	=	12	13	14	15	91	17	8	6	20	2	22	23	

 D_{u}^{11} = ratio of upper decile to median in db $D_{\mathcal{A}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

NOISE
RADIO
S OF
VALUES
H-HOUR
MONT

1			Vdm Ldm	3.0	* 5	× ~	* 8	40.0	* 5	47.0	4.0	3.0		7.5	4.5	* \\ \'	£,0	₹ 3.5	4.5	4.0	4.5	45	3.0	2.5	2.5	2.0	2.0	
Obira, Japan Ldf. 35.6N Long. 140.5E Month March 19.62			V _d m	4/5	*,5	1.0	* / 0 /	*°;	1.0	3.0	*.4	* 0.1		* \2.S	* 4	+~	*~;	*3	35	↑ ~	**	3.0	0.7	1.0	1.0	1.02	0.5 2.0	
		20	7a	0	m	_	ત	~	_	૪	~	べ		4	7	7	જ	~	Λ)	~	7	7	~	~	~	78	_	
			na	7	Đ	8	_	0	~	7	5	~		4	7	~	~	5	8	n	Λ	7	76	4	-	η	マ	
			Fam	24	26	126	76	76	25	76	26	77	* 3	28	26	76	26	70	76	27	27	26	74	HP	46	pro	77	
			Dr Vdm Ldm	-2.2	8.0	7.0	6.0	3.5	3.5	0.8	7.5		7.5	5.0	7.0	5.5	8.0	6.5	4.0	4.0 6.0	10.5	2.0	7.0	6.5	0.0	10.0	0.0	
			*up/	3.0	5.0	0 %	4.0	2.0	2.0	5:0	5.0		5.5	3.0	4.0	5.5	5.0	4.0	2.5	4.0	7.5	4.0	5.0	4.0 6.5	5.0	5.5	4.5	
		9	ď	5	15	12	4	~	4	2	~	7		4	4	9	7	ئ	9	12	4	4	7	7	9	4	4	
			D _u	4	9	7	9	12	6	4	10	00		77	00	10	8	7	h	7	7	9	~	4	ħ	7	4	
			Fam	40	40	40	38	32	33	200	44	33	*~	30	30	30	کمکر	33	200	40	77	42	3	4	40	38	40	
			Vdm Ldm	5.5 10.0	0.0/	2:5	9.0	9.0		8.0			0.0/	0.0/	11.0	9.0	4.0 5.0	0.0/	8.0	9.0	0.0/	9.5	2.0	11.0	8.5	500	75 11.0 40	
		ιť	/dm	5.5	5.5	4,5	6.0	9.0		5.0			8.0	0.9	8.0	6.5	4.0	8.0	15.8	6.0	2.0	5.0	4.5	6.5	4.5	4,5	7.5'	
			70	R	7	9	-9	12	4	7	9	7	જ	જ	~	76	7	~	~	0	*	7	る	9	12	0	00	
			n _O	00	7	~9	9	7	00	-9	00	7	9	76	4	00	7	7	11	0	7	7	9	12	7	16	7	
			Fam	57	59	5-6	5-6	57	67	57	45	ah	37	35	37	33	37	37	37	43	1,5	53	69	1/	72	63	19	
			De Vam Lam	9.5	12.5	5.0 9.0	71.5	9.5	11.0	0.0	10.5	9.0	11.0	10.5	10.0	13.0	9.0	11.5	11.5	12.5 15.5	6.0	13.0 18.0	17.0	8.5 13.5	14.0	13.0	8.5 13.0 61	
			*ω _ν	5,0	8.0	3,0	8.0	6.0	6.0	40	8.0	3.5	9.0	8.0	8.0	10.0	0.7	9.0	,5.0	12.5	6.0	/3.0	0.77	100	8.5	800	2.5	
		2 5	Za	7	90	2	0	6	00	9	7	9	7	~	જ	~	~	~	7	~	w	د	9	7	~	10	00	
1	(Mc)		Du	0	7	17.	2	6	11	13	/A	7	R	8	4	-	9	7	2	7	0	12	۲/	7/	14	7	2	
hira			Fam	9	09	5.5	55	59	09	05	42	th	42	40	40	36	30	40	30	44	45	3,	5.6	50	57	49	79	
OF RADIO NOISE Station	Frequency		Vdm Ldm Fam	14.5	14.5	14.5	13.0	/3.0	12.0	6.0				6.5		<u>ب</u> در				4.0	8.0	6.5 10.5	13.0	70.5	13.0	10.5	8.0 14.0	
		,,	/dm	7.5	2.5	815,	0.0	8.0	75	4.5				3.5		1,5				12.5	کړی	12.0	7.0	6.0	7.5	2.0	0.8	
		495	70	٥	1,0	e	9	00	6	7	7)		~	~	7	7	. 5	3	-9	2	7	7	<i>></i> ∞	7	9	72	
			م	/3	٦/	6	• ;	2	11	00	01	12		00	9	01	14	8/	15	3	/3	10	0/	17	1	=	7	
			Dr Vdm Ldm Fam	98	48	84	3	80	2	60	62	63	k >	9	3.5	9	62	09	07	62	21	76	S	ಷ	48	200	28	
			Ldm	15.51	13.0	8.5- 14.0	16.5	15.0	17.5	10.5 17.0	11.0 19.0	9.0 13.5	2.3	5 9	20.0	75.5		5.0	6.0	6.0	12.0	11.0 19.0	12.0 20.0	2.11 2.9	2.0	12.0	16.0	
			[₩] P/	8.0	7.5	8.5	8.5	7.5	12.5			9.0	4.0	4.5	3.0	3.5		3.0	4.0	2,50	7.5		13.0	2.0	1.0	30	7.5	
		160		6	9	7	7	00	9	10	10	7		3	00	7	6	7	7	~	6	7	+	5	ک	7	12	
			Da	0/	0/	,2	6	-9	00	7		· e-		78	- 18	7	20	he	23	5	7	15	16	14	/3	103 13	(103/2	4
			Fam		105	501	h0/	103	95'	85	177	77	73	72	15	72		74	7	20	55	93	197	99	101	10.		97
			Dr Vdm Ldm	11.0	14.0	15.0	10.0	12.0 18.0	13.5	14.5 19.5	10.5		9.0	9.0	11.0 16.0	10.0 13.5	11.5 16.0	12.0	9.5	20	0.0/	11.5	14.5	8.0 12.5	18.0	10.5 17.0	15:57	odo do do obo
			Vdm	20	9.0	9.0	6.0	12.0	8.5	14.5	6.5	5.	0.9	12.0		10.0	11.5	8.0	6.5	4.0	2.9	7.0	10.0	8.0	11.5	10.5	9.0	nieo ir
VALUES		051		m	7	8	~	7	7	6	00	9	00	4	7	~9	2	7	7	7	7	7	7	イ	7	9	5,	
AL			no t	15	7	// //	9	7	6	7	8	4/	-	12	9	6	//	11	16	14	16	7	000	∞	9	10	6	antar
			Fam		17/	124	hel	hel	777	8//	1/2	ho/	106	101	107	0//	110	109	101	701	109	-	120	7	124	124	40/	artive.
MONTH-HOUR			Vdm Ldm	11.0	4.5,	46	12.0	11.0	12.0	11.0	140	14.5	15.0	14.0	12.5	*/	13.0	140	1,15	11.0	* //.s′	10.5	* C.	8.0 11.0	* (5.5)	8.5/2.5	7.0 10.0 134	if affe
				*5.	\$.5	6.5,	*0.	¥00	8.0	12,	4.0	1/1.0	*	4/1.0	4.0	±0%	4.5-	15	* 0%	8.0	*3°	7.0	* 00 12		*0.6	7 %	7.0	alite c
1		013		7	9	7	0	7	ړک	7	~	~	4	4	78	~	へ	76	7	^つ	7	7	12	~	7	e	9	ion ve
F			D _u	5	9	8	7	7 0	1 5	7	7 9	8	7	7 4	7 4	2	7 9	9	7 8	7	7	9	5	9	9	20	7	Fare a median value of effective antenna
10			-Fa	150	150	150	3 150	150	151	3/1/		146	146	144	144	144	146	146	148	841	841	841	150	150	150	150	150	F
	(TS	ال (1	noH	8	ō	02	03	04	05	90	07	90	60	0	=	12	-3	4	15	91	17	8	6	20	2	22	23	

 $F_{\rm Qm}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\rm g}$ = ratio of median to lower decile in db $V_{\rm dm}$ ² median deviation of average voltage in db below mean power $L_{\rm dm}$ ² median deviation of average logarithm in db below mean power

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		E	20	2.0	2.0	2.0	0.0	2.0	* * °	30	3.5.	\$:0	4.5	4.0	0	12	**	4	1,4	\$.0	3.0	35	40	0	0.	9	
		Vdm Ldm	0.5	0	رک رو	1,2	الار	الا,	+2	が	0	0	10	0	0 4.0	5.	0	4 7	5,	0	* /5/	9	0	* W.	+ 62	2/2	
		PA 7d	0	م / رو	0	10.	0 0.	3	40	~	8 * C	+w;	48	A. Q.	* ~	* ~	* ~	کر <u>۾</u> *	7	* √,	+ ~	₹ ~	* 8	1.5	*~	0 0	
	2.0	-	0	0	0	-	7	0	- 6	γ					,				0-								
		n Du			2				7		8	10	4	h +	7 4	8	~	~	7 3	8	8	6 5	7	7	7	~	
		Fam	76	7	7	75	24	26	26	70	70	× 20	40 -	46	1	مهر ا	0 26	0 26	76	~6	7	36	40	\d	HP 0	70	
		* Ldm	8.0	7.0	- 7.5	0.9	5.0	10.0	8.0	7.0	9.	5 4.5	7.5	7.0	5.5	8.0	7.	6.	80	7.0	9.	6.0	2.0	7.5	7	6.5	
		\ \ \ \ \ \	4.5	4.0	4.5	4.0	1,5,4	0.5	4.5,	5.0	6.0	2	5.0	5.0	3.0	5.0	4.0	3.5	5.0	4.0	5.5	4.0	1,5	4.5	3.5	4.0	
	10	7g	7	. 1	٦	~	٠	7	$\boldsymbol{\gamma}$	イ	7		4	و	7	4	7	~	૪	J	7	7	7	الم	0	7	
		Da	11	9	γ	4	9	4	7	-9	00		6	7	9	00	9	9	9	7	9	7	6	کرہ	15	14	
		Fom	44	40	42	38	36	40	36	3	36	*~	76	28	26	28	30	3	36	40	7	44	14	44	146	77	
		Ldm	4.00	1.0	\$.0	10.	0.0	7.0	13.0	4,50	*6.	* //.5/	* 0°	7.0	8.0	4/0.0	10.0	4 10.0	* 0%	7,5,	* 5.5	11.0	\$5.5		7.0	6.0	
		Vdm Vdm	* کېک	4.0	4.0	7.2.	4.0	±2, 0.	¥0.0	¥2.	7,0	* 00 1,2	6.0	21.0	6.0	* 7.5-	7.0	7.5.	5.0	\$10	*~	7.0	45		4,0	3,5	
	ĸ	70	٣	7	2	~	3	R	7	12	5	γ	3	าง	7	જ	7	7	9	9	5	4	8	9	9	7	
		Du	7	e	7	9	-9	9	5	01	~	7	7	9	4	4	7	7	00	べ	6	10	e	7	4	7	
		Fam	3.5	2-9	128	57	22	5-8	44	57	36	34	32	32	32	32	34	32	30	48	54	68	70	72	62	00	
		rdm Ldm	7.0	8.0	9.5	7.0	8.0	8.0	9.0	18:5	11.0	12.5	10.0	10.5	11.5	11.5	10.0	8.0	11.0	5.0	0.0/	9.5	0.01	0.9	6.5	6.0	
		*MP/	4.0	5.0	75.5	4.0	4.5	6,2	0.9	6.0	8.0	9.0	6.5	8.0	9.0	7.5	7.5	5.0	0.0	4.0	6.0	4.5	0.9	3.5	4.0	ري. ق	
	ις	2	ری	10	7	3	4	9	8	~	4	7		7	8	7	1	7	4	~	9	9	4	7	7	7	
(Mc)	2.	Da	7	5	11	7-1	/3	~	~	7	7	7		7	9	7	4	9	4	7	5	10	12	9	6	00	
5		Fam	8_5	57	57	ارئى	757	53	1/	39	39	39	32	39	35	750	37	37	39	1/	84	17	5	57	57	5-2	
ည်		Ldm	11.0	8.5	11.0	0.01	11.5	6.0	3.5	6.0	5.5		7.0		4.5	3.5			15.0	7.5	13.0	12.5	10.0	11.5	14.0	11.0	
Frequency		/ wp/	6.5	4.5	6.0	5.5	5.5	3.5	2.0	4.0	3.0		4.0		2.5	2.5,			9.0	5.0	7.5- 1	8.5	5.5	6.0	6.0	6.5	
Fre	495		7	٦	7	7	7	2	7	~	~		7	3	76	3	76	4	8	7	7	20 1	7	6	7	7	
	4	Da	6	. 00	00	11	3	13	7	7	I		7	7	7	7	4	2	/3	~	So	0	00	00	//	8	
		Fam	2	2	82	08	74	5-9	5.6	5.6	3.5	8-5	50	5.9	56	200	3-5	2.5	8.5	62	74	78	E	Z	8	20	
		Ldm.	0.61	11.57	0.77	0.77	-5.6	10.0	11.5	12.0	3.5	4.5	4.0	7.0	4.0	5.0	5.0	2.5	5.0	15.0	23.0	17.0	12.0	11.0	0.01	0.01	
		Vdm L	7.5- 1.	0	12	,٧.	5.0	0	7.0 /	0	0	3.0 4	12	4.5	2,5	١,	3,5	5:08	٥	13.0 /	16.0	10.01	7.0 /	1,5:5	15	7.0 /	
	0,0	2	7	7	7	2 12	√)	5 6	00	9	4 9.	* ')	8	6 4	0/	7	00	12 5	4 3.	00	7	9	00	4 5	5 6.	7	
	16	na	7	10	9	9	7	13	14	7	41		9/	16	14	18	20	7	7	~		01	0	90	7	9	
		Fam	103	104	104	hal	103	91 1	080	18/	74	75-	76	74	76 /	72 /	76 >	80	76	00	90 1	90 1	1001	701	103	401	Abel another also at action members and another methods and another and the state of the state o
			1.5.11	13.5	/3.5	1,5:0	16.0	12.5	13.0	* 1.5.	11.0	* 0.5/	12.0	* /3.5	13.0 1	* //.5^	4.0.0/	0.01	8.0	8.0	* 10.5	15:0	13.5	* 12.0/	90 /	13.0	op o
		m F	7.0 /	8.5 /	8.5 /3	* 0.6	* 5.0/	7.5 1	_	* 1 0.6		7.5-	8.0 /		7.5 /	£.5- *	7.0 /	5.5 12	4.5- 8	5.0	* 5.9	4.5.	_	* 5.9 6.5 /	\$.0 9	70 7	J. Alk
	21	Dr Vdm Ldm	* 1	=	300	3 *	* 0	4 7	メバ	10.	6 8.0	7 4	* %	¥00	*~	5-2		7	7	5	<i>e</i> *	20°		ور* ال	41.5		4100
	0.51	1—	7	9	m	~,	00	7	0/			7	9	<i>o</i> ,		7 5	8	00	8	2	10 %	30	4 3	9	9	0 8	2000
		Fam Du				127		757		107 22	101	. 011	011	110	110 10	//3	114	1/3	011	\$ 801	1 211	122		1 /24	194 1		- Canh
		*-	12/	124	127	0	10	_			_			==	_	_					=	7	he/ 0	() 0		124	Londin
		Dr Vam Lam	7.0 10.5	6.0 11.0	0.1/ 5.9	0.0/ 0	0.0/	0.11.0	2.11	8.0 11.5	9.0 13.5	10.0 14.0	0.7/	11.0 15.0	0 12.5	8.0 13.0	8.5 14.0	9.0 14.0	6.0 11.0	0 1110	5.5 9.5	0.0/	0 11.0	6.0 10.0	6.0 10.5	0.6	20 30
	3	V VdI		_		0.9	1 7.5	7.0	8.0	_			9.0	_	9.0	=	=		_	6.0		ردنی	9	_	_	5.0	and the same
	. 013	 	9		~	2	7	~	0	γ	7			0	7	~	h ,		9	<u>ا</u>	9	~	7	~	7	~	1
		Du.	7	س م	7	٧		~	5	7 4	7	6	-	2	7 4	7 4	7	7 4	2	50	7	4 1	3 4	2	4	2	-
		ng.	151	15.3	157	15/	153	1.5.7	145	147	149	6 4/	* 3	145	147	147	149	151	151	150	157	157	(2)	154	155	(53)	L
ILIC	7)	Hour	8	0	8	03	04	05	90	07	98	60	0		12	13	14	15	91		18	6	20	21	22	23	

19.62

Month _April_

Lat. 35,6N Long. 140,5E

Station Ohira, Japan

MONTH-HOUR VALUES OF RADIO NOISE

 F_{am} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper declie to median in db D_{z} = ratio of median to lower declie in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

Stal
NOISE
RADIO
VALUES OF
HOUR VAL
MONTH-HC

	F		I	T				1	1	r			Ι,	1						_							
ار			Vdm.Ldm	3.0	3.0	الخ.	* 7	2.6:01	7	3.0	20,70		* ^5		4.5	30	4.0	3.	+15	\$.0	*3.	50	4.0	* ~	*~	3.0	3.0
19.62				\. .s.	1,5,	1.0	* 0	7.0	1.0	0.	2.	, ۷,	* 12.	* 0	* 4	1.5	2,5	5.4	**	**	* & 12	2.5	0.0	*\ \\\\	* 8	1.57	7.5
<u>-</u>		2.0	70	7	8	0	0	0	٥	0	~	8	0	~	٥	*	0	8	~	~	8	_	_	3	~	~	4
	-		D _u	0	2	~	~	1	4	7	-	~	4	4	~6	7	7	9	n	7	m	ィ	76	8	~	ત	8
May	- Approximate and the second		Fam	20	77	1	ho	7	44	44	7	24	24	24	24	hr	44	77	28	38	20	28	30	20	え	70	3¢
2		_	+ Eb-	70.5	5.9	0	6.0	0.0	2.0	2,5	0.9	12	0.9	11/1	9.0	7.0	3.0	12.8	12	8.0	7.0	8.0	7.5	۵	0.0		
t t			/dm/	1/5:5	3.0	4.0 6.	0	3.0 (Ŋ	4.5- 7	4.0	5.0 2.	4.5-6	0,0		1/4	1/2	45	6.0 9.	5.0 8	12	5.0 8	4.0 %	0	6.5 10.0		
Month			94	7	^	7	٠ ا	<u>~</u>	7	7		رد. د.	7	7	7	7.	t t				7.			7.		_	
		10		9	+	7	0.	12			7			7	90	7 3		7 6	9	7		4 5	7	7	7 21	7	2
- 5E			D _u						9	7	7	6	7 13				9/6		7 3	7	~		7	61	-		
Long. 140, 5E		_	F G	43	4	3	37	0 38	5 37	35	3	~	12	200	29	127	329	0 33	~	39	3	45	145	0 45	45	45	73
ģ.			Vdm Ldm	6.0	7.0	7.0	8.0	7.	6.5	7.0	25	0.//	11.5	9.5	11.0	9.0	0.11	10.0	9.5	70.5	10.0	11.0	0.0	0.41		کنۍ	0.9
Lo			Vdm	3.0	4.0	4.0	5.0	ري.	ν. γ.	4.0	4	8.5	9.0	7.5	8.0	7.0	0.0	7.5	2.0	2.0	6.0	7.0	6.0	2.0		3.0	3.0
d			70	m	12	0	-9	7	00	5	7	7	7	2	7	m	7	7	12	7	7	٨	7	-9	7	7	2
5.6		4	n _O	7	5	00	•	5	2	2	00	7	7	e	۲	5	5	7	0/	17	15	1/	00	7	9	77	0
Lat. 35,6N_			Fam	35	9.5	5.4	54	ψ.S	50	04	36	78	34	32	34	31	34	34	36	38	44	30	79	68	11	77	9
ĭ			Ldm	**	6.5	4.0	8.0	8.0	40.	* /0 'S	0/0/0	3,5/	0.//	15:0/	1/10	4 /0.0/	* 0.0		4,5	10.01	10.0	* 12.5	15.0	4.0	7.0	7.0	8.0
			Vdm 1	4.0	* × ×	* \sigma	5.0	\$.0.2	6.0	7.0 /	7.0/	9.5	15.0	* 0.9	8.0	7.5"	* 'S'	k.0.	7.0	7.0%	6.5	* 8.5.		6.0	4.00	٥	5.0
Ę		7.	> 7 0	5-2	13	10	و *	4 7	و۔	*"	~	7	~	* 0	**	**	*	w .	*	~	7	7	175	173	2	47.	12
Japan	0	į	n 0	ری	2	7	7	So	7	9	~	7	7		7	~	4	0	9	5	9	20	6	16	4	0	0
]	(Mc)		Fam	0	8-8	53	18-5	3-7	18	18	38	38	36	36	36	34	36	36	34	38	9	144 1	50 /	54	7	0	29
Ohira	5		*E	0						4.57	_	0	0	*)	ر٠٠			3.5			19.0 4	6.0 4	15.0 5	12.0 5	27	9	12.5
	Frequency		* Ldm	13.	13.5	5 12.0	0/2.5	0.60	5 120		2.0 4.5	9	15			12.0 24.0	5 8.0		18.0 30.0	20.0		_	0 15		12.0 20.0		10
Station	edi		\ -	7.5	8.0	6.5	7.0	5.0	Da	1.0	~	4.0	Ý			6	5.5	1.5		12.0	13.0	- 4.0	7.1	7,0	1.8		7.5
Stat	ĬĪ.	495	_	6	29	7	8	- 11	4	5	9	9	7	3	7	4	7	1	7	~	7	12	,2	9	7	7	7
			۵	7	~	~	7	7	14	0/	00	11	20	9	00	7	6	16	15,	/5/	61	70	17	14	~	9	0
			Fam	80	79	19	29	67	57	5-9	5-9	19	19	09	5-9	5-9	9	5-9	9	5.6	19	65	11	75	77	29	19
NOISE			DZ Vam Lam	15.0	17.0	13.0	14.0	18.0	19.0		21.0	/3.0	6.0	19.0	2 150 26.0	125 25.0	13.5 18.5	0.0/		9.5	19.5	17.5	15.0	16.0	14.0	5.5	80 14.0
9			Vdm*	9.0 15.0	10.0/ 17.0	7.0	8.0	10.0/	13.0 19.0		13.0	9.0	3.0	13.0	15.0	125	13.5	6.0		6.0	10.5	108.5	9.0	9.0	7.0	5.0	0.8
		60	70	9	9	4	9	1	0/	13	14	0/	00	6	۲/	00	٦	7)	1	10	15	0/	9	7	7	5	15
8		-	D.u	2	5_	7	00	0	-	/3	11	13	0/	16	17	61	10/	0/	070	00	17	2	9/	1	00	7	9
RADIO			-	103	103	601	05	10	85-	18	83	18		17	6	18	48	2,5	85	25-	85,	85	95		103	103	103 (
			De Vam Lam Fam	140	15.0 103	8.5 14.5 103	10.0 16.0 105	11.0 17.5 101		5.0		_	4 17.0 22.0 79	15.0	4.0	18.0	15.	_	12.0				15:0	5 10.0 16.0 101	1.5	10.0 150 103	8.5 14.0 103
P			<u>*</u> ε	80 14	9.0	5 /4	1/ 0.	0 //	0.01 0.7	9.5 15.0	10.0 14.5	11.5 16.0	2.0 2	11.0 15	10.0 14.0	10.0/	9.5 14.5	10.0/16.0	7.0 1.	12.5 18.0	11.5 14.5	5- 13.0 20.0	10.01	9/ 0.	6.0 /	10.0	1/2
S		21) / /c	06	2	<i>اه</i>	7	4	2	9	4 10	4 //	1/1	5-1	7	9	9	01 8	2	4	5 11	1	7 10	10	4	7	
VALUES		051		5-	ری	•		و	3	9	7							00	-		15- 3		9			5	-
AL			Fam Du				7 7					0/8	00	9	2	9	3		11	7 7		7/2	0/0	9 7	7		2
			Far	123	124	461 S.KI	424	12/	120	114	106	80/	1/0	- 1/13	116	1/6	8//	110	811	117	(113	7/1	120	124	124	124	13.0 124 6 2
J.			D& Vdm Ldm	13.0	1.0		12.5	¥.0	4.3.0	/3.0	10.0 HS	*	14.0	* 15.5/	15.0		4,2,5	19.0	17.5	0.0	15.0	14.0	* 130	* 3.	* \	8.0 13.5	8.5 13,0 124
오			Vdm	*00	10.	8.0	*00	*v.		* S-	40.0	*	10.0	11.0	11:0		8.5	14.0	1.5,	7.5	*0.	*00	7.5-	12,	75.	%	* 0.0°
1)13	NO.	Υ	γ	ᠬ	~	γ	į2	9	9	5	7		5	7	7	2	7	7	7	~	ત	7	~	7	7
亡			no	7	7	9	9	7	ო	7	y	>	~		5	_	7	· 7	7	7	7	9	9	16	12	5	~
MONTH-HOUR			Fam	150	150	150	150	150	64/	841	841	147	148	148	148	150	841	150	152	152	152	150	150	152	152	154	152 2 7 4.5
Σ	(TS.	اله (٦	noH	00	ō	20	03	04	02	90	07	08 147	60	0	=	12	13	4	-5	91	17	8	6	20	21	22	23
						-	-												-								

 $F_{\rm GM}$ = median value of effective antenna noise in db above ktb $D_{\rm U}$ = ratio of upper declie to median in db $D_{\rm g}$ = ratio of median to lower declie in db $V_{\rm GM}$ = median deviation of average voltage in db below mean power $L_{\rm GM}$ = median deviation of average logarithm in db below mean power

RN-13

18-Sept-Meson

J9-28M-844005L

		E																								
		Vdm Ldm																								
		=							0			_			9					\						
	20	J'a	٥	٥	0	0	0	0)	0	~	0	2	0		~	7	~	~	17	7	~	٥	0	0	0
		n Du	0 0	0	~	~	4	٥	~	4	7	~	n	2	7	7	9	7	0/ 1	7	~	4	7	76	7	0
		Fam	70	20	20	80	20	90	20	20	70	20	3	8	20	7	70	44	pt.	26	26	24	8	20	30	30
		Vdm Ldm																								
		Ndm Vdm																								
	o	ď	7	7	3	3	2	ام	2	2	~	2	د-	7	7/	11	7	7	00	9	7	4	~	જ	~	2
		ηO	4	4	8	9	10	4	9	/3	70	13	12	77	7	∞	00	7	2	5	9	6	4.	4	7	2
		Fam	36	36	36	3	28	50	36	3	26	26	~~	مره	28	30	34	38	30	44	44	3	40	30	75	36
		mp-																								
		Vdm Ldm																								
		170	7	9	7	4	7	7	\sim	e	00	13	15	9	7	0/	0 1	11	91		0/	00	000	9	4	7
	7.7	D _U	6	9	e	00	7	-	14	20	17	/2/	7	1//	91	~	00/	08	157	10/	7	5	7	7	00	00
		Fam	. 800	3-5	5-8	56	195	75	-15	36	32	38	36	31	28	34	38	44	5.0	57	19	63	62	5.5	200	28
			,	,	-1	-1		,	,		')									,			7	,		
		dm L				-																				
	5	De Vom Lom	6	6	,	7	9	_		0/	00	~	-9	9	12	9	7	00	7/	<i>S</i> 0	15	01	0/	77	7	
3	2	Du	10		11 ×	11	10/	1 6	15,	13/	00		7	7		7 71	76			1	1	1		6 1.	6/2	7 /
(Mc)		Fam D	1 67	68 12	7 12	67,1	197	97	58 1.	1 04	0 %	42 16	1/2	0	39 16	104	42 4	46 26	46 02	18 ST	8 8-8		76 6	76 4	74 1	73
5		m F _C	7	7	-9	9	9	7	7	7	7	7	17	7	~	7	7	7	.~3	<u>ر</u>	~>	74		7	_	
Frequency		m Ldm									_															_
req	2	DZ Vdm	_				7			~	7	0.	4	3	7	7	8	7	7	7	a			0		\forall
1	495		7	7	20 7	2 6		1	9/ 0	ري	32	128	3 22	76	7 17	76	~	~	76	ヾ	00	00	6 /	0/0	7 13	0
		ם ה	14	41	41 0	7/0	15,	3 15	2 30	3 9	7	14	1 13	51 8	17	3 / /	7/2	6 13	11	7/	-	P/0	11/5	1 10		7/0
		Fam	86	86	96	96	93	2	12	13	46	88	84	83	8	93	95	96	86	95	96	100	105	hal	105	107
		D& Vdm Ldm																								
		Vdm																								
	160	70	9	_	2	9	10	9	16	7		00		100	0/	17	2	61		~	4		7	14	4	10
		na	7	/3	10	15,	7	9/	11	30		61	2	9/	20/	17	15	7	120 13	14	0/	78	10	00	11712	#1 611
		Fam.	//3	1/3	11	111	111	103	89	83	*2	68	58	2	63	107	114	117	120	117	115	1/5	117	119	117	117
		Dr Vam Lam																								
		Vdm																								
	051	70	3	7	ر	9	V.	9	5	7		9/	0/	7	9	71	9	So	9	6	00	2	6	10	00	e
	0	2	10	~	1	7	14	2	15	20/		10	01	15/	14	1 /	11	11	7	5	~	0 1	5-	9	00	7
		Fam	136	136	/36	/36	136	134	127	77	4727	7.7	124	127	130	134	138	140	140	141	138	138	141	147	140	138
			*																							
		Vdm Ldm																								
	013		7	7	~	7	~	7	<i>™</i>	76	76	76	7	7	7	4	7	7	4	7	e	7	9	4	٦	~
	0	200	00	00	2	9	9	9	7	8	00		2	*	(2)	7	7	7	2	9	7	2	2	9	7	8
		Fam	/39	139	ł		139	139	138	/35				/37	138	14/	143	145 1	145	145	145	143	145 "	143 6	747	
(15	ר:	INOH	00	10	02 /39	03 /	04 /	05	06 //3	07 / 3	08	(60	10	-,	12	3 /	14	15 /	1 91	17	18	61	20 14		22 14	23 141
113			10	10			0	0	0	0	0	0		_	_			_	_			_	N	2	N	2

19 62

Month March_

Station Pretoria, S. Africa Lat. 25.85. Long. 28.3E.

MONTH-HOUR VALUES OF RADIO NOISE

 F_{qm} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{R}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

28.3臣
ng.
ca Lat. 25.85 Lo
. Africa
Pretoria, S
Station
NOISE
RADIO
P
VALUES
NTH-HOUR
7

1962

Month April

		E																								
		Vdm Ldm																								
	20	70	0	0	0	0	0	0	9	0	٥	0	0	0	0	0	0	イ	76		0	0	0	0	0	0
		D		0	-	1	_	0	/	/	7	7	-	0	જ	7	و	0	9	7	9	7	7	_	0	10
		Fam	61	19	61	19	19	19	61	61	61	19	61	19	61	19	61	7	8	20	19	61	61	61	61	19
		Ldm																								
		mp/																								
		70	6	9	8	9	4	5-	7	2	00	00	Do	00	8	12	01	1	0/	9/	2	9	9	00	0	00
	1(na	14	7	1	رى	9	15	6	11	77	9/	14	12	15	12	01	5	9	9	2	2	00	2	0	1
		E D.	34	32	34	33	38	28	34	32	30	25	74	he	74	30	36	3	3	hh	7	90	3.6	36	36	34
		Vdm Ldm																								
		70	0	4	6	7	7	12	6	7/	41	7	10	11	0	11	/3	1,	11		01	0	00	5	9	7
	7,	70	0/	00	∞	2	7	8	12	16	4	0/	0	10	11	15,	2	7	5	11	0	2	9	6	00	00
		Fam		5.37	755	52	55	S	5.5	45		43	41	1/	39	14	43	45	40	25	5.8	5-6	5-5	155	57	576
		Ldm								7					,			4		,		-/				
		Vdm L																	4							
	5	•	7	<i>∞</i>	00	0	0/	2	7	7	0/	75	77	7	2	4	12	7	00	0,	11	13	-		00	5
(2)	2.	_	11	0	0	00	2		11	13	00	e	~	-9	13	20	8/	15	00	61	00	0/	6	7	0	6
(Mc)		Fam	64	64	17	64	64	100	5-8 1	1/2/	7	7	44	42	42	400	1 oh	12/	144	184	49	67	00	00	177	99
cy		Ldm	7	7	7	7	~		-)		1	7	4	5	7	7	4	4	7	1	7		19	-9	7	2
Frequency		V _{dm}																	<u>_</u>							
red	5		00	9	9	00	00	9	01	20		00	9	5	00	13	14	14	20	7		00	7	9	9	00
	495	20	9/	16	16	14	14	16	78/	140		he	77	80	28	32/	32 /	34 1	10 >	_	/3 /	15	15-	15-	16	16
		Fam		94	92 /	12/	92 1	1 98	66		76	_	64 >	63 2	66 2	70 3	72 5	70 3	_	82 24	91 1	94 1.	95- 1	1 96	1 95	1 96
				-	6	6	0	90	9	7	*1/	9	9	-9	~	-	1	7	1	00	6	6	6	6	8	9
		mp7 mp7 70																								
	0	P/ 7	2	9	10	0/	6	00	4	16		14	91	9	17	18		10	26	9	17	7	00	0	-6	7
	160			16					4 14					71 16			12/	=		4 26				16		
		m Du	109 18	1 601	01 111	109 12	11 801	103 18	89 24	81 32	*93	83 28	87 22	7 16	91 18	99 23	103 21	12 201	103 AH	46 101	108 17	9/ 80/	109 20	1601	107 20	109 20
	_	m Fam	10	1/1		7	10	0/	00	8	*	00	00	9	2	6	10	2/	70	1/	10	9/	72	1/1	2/	
		Dr Vdm Ldm																								
-		P/ 7											07	00						0/		_			_	_
	_		7	~9	2	~	2	-9	00	00		1/			0/0	<i>∞</i>	3 10	70	3 //		0/0	200	5	7	7	7
	0.51			+	~	_	ď	~	X	2				\sim	0	7	13	76	/3	13	16	14	5	~	2	7
	.051	Du	2/6	11 6	7 12	7 14	6/2	2/2	3 /2	9/6	7	7 15	1 10	7	7 10	5			~	_	0	_	0	0	0	0
	051	Du	129 16	129 14	129 12	127 14	129 12	127 12	123 12	119 16	119	119 15	01 511	1/6/	127/	129	129	/3/	/32	/3/	129	/3/	130	129 16	1/62/	129
	051	Du	-			_	\rightarrow				\$11	119 15		1/6/	127 /	129		131	/32	/3/	129	(3)	130	129	129	
	[] 051	Du	129	129	129	/27	\rightarrow				119	611	5//	1 181	(2)	129		131		/3/		(3)	130			
		DA Vdm Ldm Fam Du	2 1.29	4 129	4 129	4 (27	8 129	4 1/27		2 119	م	5- 119		181	6 1371	4 129	6 129	4 131	4	4 /3/	7	3	9	9	4 129	
	.013	Du DA Vdm Ldm Fam Du	10 2 129	8 4 129	8 4 129	6 4 127	4 8 129	6 4 127	6 0 1/23	8 2 119	8 2	6 5- 119	7 5 1	8 6 121	8 6 127	4 4 129	4 6 129	6 4 131	7 9	6 4	t 9	7 3	9 9	9 7	7 9	
(1S	013	DA Vdm Ldm Fam Du	2 1.29	4 129	4 129	4 (27	8 129	4 1/27	0 1/23	2 119	م	5- 119	5/1	181	6 127	4 129	6 129	4 131	4	7	7	3	9	9	7	9

 $F_{\rm om}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper declie to median in db $D_{\cal k}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

19-SEMBINES-PL

USCONIL-NES-PL

			Ep-																								
19 62			Vdm Ldm																								
<u>o</u>		20	γo	0	0	0	0	0	0	0	0	0	0	0	0	0	a	0	0	0	0	0	0	0	0	0	0
		2	Du	0	0	0	0	0	0	0	0	8	4	7	マ	7	જ	2	Υ	~	7	0	0	0	0	0	0
ay			Fam	7	7	7	78	7	10	10	10	10	10	70	7	7	1/0	8	-k	7	76	7	70	à	7	76	7
May						U				-							Ì									-	0
oth C			Vdm Ldm																								
Month			D& V	~	7	2	6	~	~	7	7		7	9	~	7	~	2	9	7	4	4	7	7	7	7	7
		10	Du	-	9	9	0/	10	12	00	7 ,		00	00	00	00		5	/3 (7	7	7	7	0	00	9	~
3E			Fam D						9			m	27 6	ا کرک	23			38		35	37		35 6	33		33	33 /
Lat. 25.85 Long. 28.3E		_		3	3/	m	3 (29	76	Υ	33	*33	8	~	3	کرم	23	7	3,	~	~	37	M	Λ	33	M	<u></u>
ng.			Vdm Ldm												_									_			\dashv
2			P/	,						,						_											\dashv
88		rC.	70	5	*	5	7	7	9	رک	3 4	7	0/		17	2	~	7	5	2	9	2	7	9/	7	7	0
25			n Du	10	00	00	9	5	2	10	13	17	14	2	5	4	3	7	2	2	7	1 / 3	7	6	00		7
d.			Fam	5	5,3	Ç	S	S	Ŋ	151	14	37	4	43	3	43	14	43	43	44	47	49	5.2	3	5	5	3
			Ldm																								
ric			De Vam Lam																								
Af		2,5	Z _Q	7	7	12	7	3	7	1	\sim	12	12	00	9	0	12	9	7	2	7	7	7	7	6	η	8
3.5	(Mc)	,	D _u	11	6	7	10	00	7	6	12	7	જ	7	4	n	3	3	7	2	e	7	11	1	0/	1	1
ori			Fam	77	7	77	2	00	09	5.8	42	4	46	18	84	84	84	78	48	18	0.5	54	09	79	63	59	7
Station Pretoria, S. Africa	Frequency		Ldm																								
ET LC	ane		Vdm																								
tatic	Fre	495	70	9	*	9	>	9	9	9	8		7	ď	3	~	4	7	+	7	00	7	9	7	W	7	2
S		7	٥	্থ	Do	10	00	0	0/	14	44		~	7	3	\sim	7	4	5	9	00/	//	7	2	0/	ý	11
			Fam	90	90	06	90	90	84	62	77	t + 9	49	7	79	77	77	62	77	3	20	85	90	92	90	90	90
NOISE			mp-																								
Ö			DA Vam Lam																								
		091	DZ \	2	7	2	9	00	0/	0/	4	7	9	7	9	7	~	4	9	7	0	~	0/	6	5	9	76
200		,	Du	0/	0/	0/	7	0	7	00	11	~	18	6	13	15	17	18		00	8/	14	~	7		00	
RA			u _m	ho/	102	701	107	701	100/2	2	89	72 23	1 //	74	76	74	73 /	74	76 20	74	3	46	70/	ho/	107	hol	103/12
i.			Dr Vam Lam Fam			7		Š														_					\exists
O			J m																								
SI			'N Za	_		~	7	9	7	9	9	7	9			_	9	3	7	4	20	7	7	5			
ij		051	Du	7 9	9	.,		00	, 0/	9) h1	7 8/		9 51	7 7	12 8		0/	0	0	9 3	7	6	20	7 4	7 8	7 4
₹ 		•	Fam D	128 1	128	1701	126 12	128	126	tre/	1 911	1211	112/6		4 14	116 1	01 811	1811	130	120	611	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	126	127	128	128	128
~				50	1/0	0	7	1	-	10	//	1		1/3	114		/		10	10			,	3	,	1,8	7
Ä			DX Vdm Ldm																								4
오			٧ م		1		7					1						0									
Ŧ		013	_	12	12	17	4	7 -	4	~	~	5	7	0	00	1	Ø	10	00	6	,	4	5	7	~	7	7
Z			n Du	9 6	4 6	7 6	7 9	15	7	2	00	12	00	- 7	00	12	9	4	0 3	٧	イ	7 4	/ 3	2	7	9	9 6
MONTH-HOUR VALUES OF RADIC			T _a	139	139	139	03 139	1 139	05 139	06 137	07 134	08 135	135	10/35	135	135	/37	1,39	15 140	141	141	18 139	14	20 141	141	22 /39	23 139
_	(TS	ر (۱	noH	8	0	02	0	04	05	90	07	80	60	0	=	12	13	4	15	16	17	18	6	20	21	22	23

 $F_{\rm cm}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\cal K}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

USCOMBLY65-RL

			E																								
79 61			Vdm Ldm																								
<u>6</u>		20	70		00		00		00		76				4		7		0		_		8		10		10
ц		2	Da		0		0		0		7				e		00		2		1.1		0		0		0
Month March			Fam	*	31	**	31	* ٣	3 /	13	31	36	34	× ×	3/	4.6	3/	\$4	3/	\$\$	31	77	3/	+6	3/	+~	3/
2			DE Vem Lem																								
onth			/dm																								
Ž		10	Ja		0/		9		7		7				9		7				29		7		7		5
≽			ď		8		6		7		ч				12		00				I		81		7		12
6.8W			Vdm Ldm Fom	41	84	* 5°	18	44	th	°° °°	4	40	39	* \$ ≥	32	**	32	25	40	74	7	43	hh	£*	44	₹2,	45
į			Ldm																								
lo lo																											
N/S		5	0		14		9		7		00				Y		~		7		10		7		12		3
33.			70		9		7		٦		9				6		/3		14		0/		7		7		4
Lat. 33.9N Long.			F B	* 2	500	*S-2	5.8	*2 2	5-2	156	5.0	* 7	35,	**	30	±≈	% 1	+ η	~~	39	44	*12	4.5	214	5-5	72 8	58
ا			Vdm Ldm																								
00																											
oroc		. 5	Ja		7		11		00		00		1-2		3		7		12		0		7		9		9
Ĭ	(Mc)	2.	D.		00		9		12		6	,	9/		7		2		~		00		7		6		9
bat,			Fam	23	09	\$7	77	e+	77	* 9	50	47	42	39	45	* 27	40	3,4	1/2	ナン	48	*1,2	9	*:2	60	e-t	7
Station Rabat, Morocco	Frequency		L-dm																								
ion	edn		mb/							,																	
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			۵	7		10	~	414	80	127	00	7 /2	7	00	0	7 9	+	1 23	*	8 30	*	110	0	9		00	- 0
ш		_	Fam	161	4	88	92	84	*	171	+0	67	67	68	70	67	¥ 4	64	t 9	9	1,4	80	*50	88	75-	90	10t
NOISE			DZ Vdm Ldm																								
Z		0	up/									_				7											_
0		.160		7		20		9		10		7				-		7 0		00		, 7		7 9		2	4
AD			m Du	3 6	000	7 9	-9	7	7	2 12	h	00	2	~	9	2		2 10	5	105 15	7	9 9	8		5	7	7
LE.			De Vam Lam Fam	1/3	*/	116	4//	11	117	102	* *	106	4/07	102	106	103	+ 10 ×	201	795	0/	107	106	108	0//	115	7//	1/4
P			- L																								_
S			P/ 1	1						00		۲/										9		و۔		7	-
Ŋ		.051		19		2 6		7				08				6 01								7		0/	-
M			Fam Du	130 7	137	129	*136	01 851	134	26/2	# /23	1/2	116	# 7/17	122	1811	1 0	1,6	118	5/1	1,23	11/2/1	124		₹ <u>0</u>		134
~			_	1/3	*:	10	*		# ~	/0	* ?		* -	* >	+ '0		+	*-	* >	*_	+ \	~	*~	2	*ジ	70	4
Ä			J mi																								\dashv
H-		013	DX Vdm Ldm	4		4				9		m		7		7		5		7		~		.0		7	-
Ŧ		0.	Du	5 4		4		7		7		7		7		7		ر ارم		w)		7		7		00	-
MONTH-HOUR VALUES OF RADIO			Fam D	15.5- 3	+ 15-6		5.5	15.5.	9.5		7.3	5051	* /s ³	151	5.3		755/	155	53-		15.5/	_	54	155	5.6	5.37	5.7
M	(T2	ړ (۲	noH	00	10	02 /3	03 7.55	04 13	05 7.5-6	06 155	07 753	80	* 60	701	11 /53	12 /53	13 /	14 /	15 155	16 /3	17 /	18	19 1/54	20 /.	21 + 156	22 /53-	23 157
												_	_											-4	-4		-

 F_{Gm} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{Gm} = median deviation of average voltage in db below mean power L_{Gm}= median deviation of average logarithm in db below mean power

14-24-46009.

M	LNC	I-H-I	MONTH-HOUR VALUES OF	*	1 1	JES	0	H(RADIO	90	NOISE	SE		Sto	Station Rabet, Morocco	Rab	5	Mor	0000	Lat.	. 3	3.9N	33.9N Long.	6.8W	2	Month _	April		19_62	0.1
(TS.														T.	Frequency	ency		(Mc)								- The state of the				
اد (٦		. 013			Ĭ	051				16	09			495	22			2	2			5			10			20		
noH	Fam D	₹q nq	Vdm Ldm	Fam	Du	D	Vdm	Dr Vdm Ldm Fam	_	D u C	DZ Vdm Ldm		Fam	ص ا		Vdm Ldm	Fam	Du	Dr Vdm Ldm	_	Fam Du	JO n	Vdm Ldm	E o H	Du D	Dr Vam Lam	Fam	Du DA	Vdm Ldm	Ldm
7 00	153 0	7		72/	7	_			7	7	00			4 5	i		9	00	00	3	55.6	٦ _		**			*~	-		
7 10	53	ري س		127	~	~			112	7	3		150	9 1			3-5	1,5	ام	٠,٧	55	~			2 5		43	0		
02	153	ر د		/25 ⁻	7	0			1/2	7	e		83	9 1			5-9	Μ	7	·3	755	7 . 1		427			* ~			
03	, 63	4 2		125	9	,			۲/۶	1 9	10		18	00			5.8	و	12	7	25, 5	1		45 3	11 -5		23	7		
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12 153		7		117	6	9			86	9	7		63	6 6	9		33	1/	00	8	25.	ζ,		47			25	9 9		
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14 /53		7 9		722	6	2			102 1	12/	0		65-13	27 12	7		36	7/	/ع	4	-7 6	00		* 35-			150	9 91		
15 155		6 4		۲۳/	/3	5			102/	1/2/	7		71	22 18	9		36	16	11	3	29 10	0/0		37 /	to 81		190	9 91		
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7 02	, 25/	~		126	2	12			011	20	4		85- 11	14	76		0 9	7	9	٧	54 6	7		45	4 7		23	3		
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r _o	E IT	edian vo	Fam = median value of effective antenna noise in db above ktb	ctive c	untenn	ou pu	se in c	ode di	ve ktt	0																				

 Γ_{OM}^{\pm} median value or effective aniend noise in do above ktb D_D = ratio of upper decile to median in db D_E = ratio of median to lower decile in db V_{dm}^{\pm} median deviation of average voltage in db below mean power L_{dm}^{\pm} median deviation of average logarithm in db below mean power

· 10"52" (\$1003)

	>0	D& Vam Lam	7	76	Μ.	Н	4	9	~	4	7	6	00	7	9	10/	11	4	11	8	9	7	. ∿	6	7	
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(MC)		Du	11	01	10	00	9	7	1.0	,2	91	ત્રે	14	91	0/	/3	77	7	حر/	1	15/	14	12	7	11	1
		Fam	5-8	8.5	2-8	57	52	5-6	44	42	38	38	38	36	38	7	04	42	45	84	50	5%	9	60	62	
Frequency	2	Ldm																								l
1100	ם מ	V _{dm}																					-			
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		Fam	86	%	83	2	26	09	5-8	8_8	77	79	8-8	49	000	100	75	80	76	78	72	S	Q	78	84	-
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		Vdm Ldm																								
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	0.13	;	7			4	2	7		ر,			6	7 7	7	~	7	2		7 7	~	7	7 5	7		
		Fam Du	157 4	157 3	02 157 3	157 0	157 3	157 4	1551 2	5.63/	152 2	151 7	151 6	153 4	155 6	155 6	157 6	159 6	15-9 6	15-8 4	159 2	157 2	20 155 5	155 4	157 3	
		F	5	2	13	2	04 /5	05 /2	06 /3	2/	43	5	2	5	5	5	5	5	5	5	2	5	2)	5	5	

19 65

Month May

Lat. 33.9N Long. 6.8W

Station Rabat, Morocco

MONTH-HOUR VALUES OF RADIO NOISE

 $f_{\alpha m}$ = median value of effective antenna noise in db above ktb D_{μ} = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

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_1			Ldm	5-4.0	4.5	4.0	4.0	3.5	3.0	3.0	4.0	40	* ¢	* 0.5	4.5	5.0	5.0	5.0	5:5	6.0	6.0	5.5	5.0	5.0	5.0	45	4.0	
19 62			VdmLdm	2.5	کر ر	2.0 4.0	٥. ه	1.5	1.0	1.57	1.5	2.0	*0.8	75.5	2.5 4.5	2.5	12.5	2.6	3.0	2.5.	2.5	30	٥ ^خ	2.5	3.0	2.5	2.5	
<u></u>		20	J'O	0	0	7	0	0	0	0	0	0	0		٦(~	0	7	ヾ	7		0	~	7	っ	`	0	
4			n _O	જ	٦	0	0	- 0		9		7	76		9	~	~	~	4	7	16	7	0	~	7	~	~	
January			Fam	2	23	25	75	25	=	25	250	25,	23	***	25,	15		77	47	7	2	25	در	25-	Ŷ	57	$\tilde{\gamma}$	
			Vdm Ldm	7.0	9.0	3.5 6.5	2.5	5.5	45	0.9	7.5	4.0 7.0	* 0.5°	3.5	6.0	7.0	7.5	7.0	*;<	2.0	6.5	8.0	7.5	40 7.0	0.9	7.0	8.0	
Month			Vdn	4.0	5.0	2.5	2.0	. o	80.	3.0	3.5	4.0	*13	4.0	* 3.	4.0	45	3.0	* 50	4.0	12.5	4.0	3.5		3,5	4.0	4.5	
<i>ا</i>		10	DE	9	-0	00	9	7	べ	8	7	7	7		~	رک ح	6 7	6	0/0	7	2	7	7	7	7	7	7	
8日			n _O	00	00	9	4	e-	7	e-	9	و ا	12	-	7/	7/2	11/	1 /3	7	46 11	8/	48 13	119	119	0/9	6 4	7 7	
Long. 103. 8E			n Fam	0 42	40	40	38	34	134	36	36	3	5 36	* 38	26	30	0 34	39	0 42		34 6	=	94 -	246	940	2 46	44	
ng.			Vdm Ldm	5.5 10.0	5.11	8.5	0.0/	0.60		2:8	0 %0	11.0	135	\$ 11.5		5 95	0.01 0	0/// 0	* 15.0	10.0/6.0	0.60	5 7.0	* 5.5	4,0	ė	- 8.0	0.60	
2			P _A Z _Q		6.0	2,0	15.5	0.0	5.0	5.0	ė	4 3	* 00	* ~		3.5	4.0	7.0	*2.	\rightarrow	6 5.0	4 3.5	* 5.5	18	2.5	7 45	5.0	
Z		5	O no	4 7	7	5	2	9	4 9	7	7 9	9	10 2			0 9	ار د	0	00	4 14	9	5 6	4 4	7	2 2	3	1	
Lat. 1.3N			Fam D	58 4	7		0						1 80	76	7	246	26	30/				5 85	7 79	09	60 3		58	
To To			m F	15:0 5	16.0 58	85 0	16.0 6	26 56	05 0.	5	10.0 42	2	_		\$ t	8.5-	\$0 ×	\$ 0.0	* 0.01	11.0 44	5.5		11.0 6	13.5 6	130 6	13.0 58	5 0	
ely.			Jm L	10	9.0 /4	8.5 14.0	0	10.0 17.0	0.01	2.11.5	* 0,0,5	x.000.5	\$ 0,0/0.0	6.0 5.0	0/1/0	*0°0 *	\$:0 \$	5-	*0. *	7.5 11.	4.5 8	5 11.0	11 0.9	12	8.0 13	6.5 13	9.0 14.0	
/ala		2	De Vom Ldm	5	2 6	2	6	9 10		9	٠ *	* 'Y	to	**	* %	×20		4 7	* 7	5 7.	11 4	7 6.	4 6.	5	5	4 6.	6 9	
e e	(3)	2.	D _u (<i>∞</i>	6	6	2	7 6	5	12	9	9	7			7	8	17	, 0/	151	5	7	9	7	7	9	9	
por	(Mc)		Fam	09	09	60	0	09	5.6	G	40	57	28	& X	17	28	38	30 1	25	34 1	18	3.5	0	~	0	0	0	
Station Singapore, Malaya	C			\rightarrow			0.5	$\overline{}$					*\s\.	* 1	* 0.5	21.0	_	4.0	9.	5.66	18.5 4	19.0	15.5	9.5 170 62	20.0	0.5		
S. C.	Frequency		Vdm Ldm	10.5 20.0	11.5-21.0	12.5 23.0	14.025.0	14,5 240	* 15.027.0	130215	4.0,40.6	13.021.5	# 0.9/		4.5.5	140 4	13.5 23.0	14.024.0	10.0 ×0.0	4.5.27	10.01	10.11	8.5 /	7.5.1	K 5:11	611.0205	11.0 19.0	
tatio	Fre	545) 7 _Q	00	e	00	6	00	* :	~	7	و ،	9		9	9	00	8/	00	6	6	101	9	0	2	د	7	
S			na	*	0	00	7	7	13	9	6/	7	7.		11	14	べ	070	0/	9/	00	٦,	9	9	12	6	1,5	
			Fam	68	85	85-	85-	83	73	24	555	57	5,5	よっ	5.5	29	19	75-	71	73	27	84	83	63	63	63	85	
NOISE				0.61	21.5	_	33.0	22.5	140 A20	150	1/.0	*2.	\$5.0 × 5.0 × 5.0		4 %	+3	150 230	15.025.0	240	14.5 25.0	12.5 22.0	12.5 22.0	20.5	2/.0	7/.0	2.5	20.5	
Š			mp7 mp/	0.//	12.5 21.5	13.0 0.81	13.0 23.0	13.5 22.5	* 0.5	145	* 60 0.0	13.0 19.5	\$5.0		13.0	14.0	150	15.0	135 240	14.5	13.5	12.5	1.5	12.0 21.0	12.021.0	13.5 22.5	12.020.5	
		160	7 _Q	9	12	4	7	9	7	17	01	2				5	7	13	-	7	6	12	۸, ک	9	~	7	7	
ğ			Du	3	-0	0	7	8	9	/3	1/	17				7	9	13	13	7	2	5	1,2)	7	c	1	2	k t b
2			De Vam Lam Fam	//3	//3	111	177	13.0 20.0 109	107	93	18	80	*60	+00	*82	88	92	87	140 23.0 100	99	103	601	11	111	111	13.020.0111	11.5 18.0 113	avod
PP			Ldm	11.0 18.5	11.0 18.0	11.0 180	12.021.0	20.0	14.0 23.0	13.0 20.0	16.0 24.0	160260	* * * * 16.0 d/	15.023.0	8.5 15.0	13.0 20.5	11.5 19.0	12.521.5	33.0	15.0 AS.O	15.0 260	3 130 225	19.5	13.0 2/10 1/1	13.0 20.0 11	20.0	18.0	db
S		1	Vdm	0.//	11.0		0.6	13.0	14.0	13.0	16.0	160	* 0.9/	75.0	* 8.5	13.0		13.5	14.0	15.0		13.0	1/.0	/3.0	13.0		11.5	nice in
NE		.051	_	7	~	イ	~	~	00	7	1,2	9	00			7	7	7	د	00	/3		\sim	7	~	~	7	מ מיני
AL			n Du	7	7	12	7	و	7	و .	5.		6			7	9	11	9	9	12	00	7	~	7	5	0	gnter
>			Fam	₹87 I	132	732	132	7	/32	17	1/2/	1/1		8//	* 1	120	7	124	126	130	62/	128	13	13.	130	13	13	active
R.			DA Vdm Ldm	11.0 17.0	10.0 16.5	10.0 16.0	10.5 16.0	10.5 17.0 131	11.0 18.0	10.5/85 124 6	13.0 22.0 120	0.12021	206 261 2	* * * /30 20.0	81/00/00/	12.0 19.0	KK1 0.81 0.11	11.5 18.0	12.0 20.0 128	12.0 20.0 130	13.5 21.0 129	82/85/128	11.0 175 131	CE1 071011	10.017.0	105 160 130 S	10.5 170 132	of Aff
오			√ Vdr	الناك	_								3	*25	* 0.0/	12.											10.5	alue c
Ŧ		. 013		~	۲	8	7	2	7	7	ر م	7				7	べ		~	7	ぴ	0	7	16	7	m	8	dian v
MONTH-HOUR VALUES OF RADIO			Fam Du	155- 3	5.	5 2	5 2			1,2	8	7	5 51	0,		7	2		155- 4	5. 4	2	5 1	3	ار ار	~	7	75	F = median value of effective antenna noise in dh above kth
MO	(TS.	۱ (۱	uoH rg	00	01 155	02 155	03 155	04 155	05 1,55	06 1,53	151	96 149	5h1 60	10 \$ 01	151	12 151	13 153	14 /53	15 15.	16 155	17 153	18 /5/	9 153	20 153	1/53	22 154	23 155	1
	(13	"		0	0	0	0	0	0	0	07	0	0		_			-		=		=	6	ŭ	2	N	N	

 $F_{\alpha m}$ = median value of effective antenna noise in db above ktb D_u = ratio of upper decile to median in db $D_{\mathcal{R}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

RN-13

19-50mm-100501

USCOMMUNES.PL

79			VdmLdm																								
19_62				0	٥		0	. 0				7		76			0	0	0	~	0	0	0	0	0	0	0
1		20	_					3	~	7	~					~				8			7	0			
rch			m Du	<i>∞</i>	4	~	00			26	80%	7	000	8 2	3	8	~	~ ∞	8	2	8	28 2			8	28 2	8
Month March			mo L	28	28	87	28	28	78	4	~	28	*8	28	28	28	28	36	4	38	78	~	28	20	28	8	28
후			Vdm Ldm			_										_											
Jon			DE Va									_				_											
		10		7	2	7	٦	~	~	9	~	~8		2	~	7	7	1	1	9	4	00	000	7	2	00	~
7 W			n _o		_	~3 ~	4 0	7	7	7	7	~	2	<i>∞</i>	4	6 0	9 1	20	7	7	9	7	9	9	00	0/0	3 13
68, 7W			Fam	24	44	ママ	20	20	7	7	757	3	* d	7	20	4	44	74	he	<u>ه</u> ه	<i>∞</i> ₹	34	32	2	28	26	23
			Vdm Ldm																								
وَ			Vd _m																								
76.6N Long.		5	Za	6	-9	~	ائ	16	~	7	15	وټ		9	7	72	4		7	9	7	5	7		7	~	~
76,			0	9	-9	وب	7	9	12	0/	9	9		٦	7	4	9		9	6	7	9	7		9	00	~
Lat.			Fam	3	2,	40	7	30	17	39	3	37	*2	36	34	200	36	35	36	30	40	42	42	* 7	40	40	17
			De Vam Lam																								
and			Vdm																								
enl		2,5	₹ _Q																								
Gre	(Mc)		Du			and the																					
le,			Fam*	5	18	48	84	48	47	26	48	15	5.8	49	49	8 7	49	49	5	48	200	46	50	5.0	53	48	46
Station Thule, Greenland	Frequency		De Vem Lem																		Ì						,
E.	edne		\dm \dm																					-			
tatic	Fre		70																								
ഗ			مً																								
			Fam																								
SE			D& Vdm Ldm Fam	9.0	8.5	9.0	0.8	7.5	9.0	0.0	8.0	9.0	8.0	8.5	7.0	7.0	7.0	0.0/	0 ://	9.0	9.0	9.0	0.0	8.0	8.0	7.5	8.0
IO NOISE			mp/	5.5	6.5,	6.0	5.5	4.5	0.9	0:5	5.0	0.9	0.5	5.9	6.0	4.0	5.0	5.9	7.5	0.9	6.0	7.0	0.9	2:5	2:5	5.6	0.9
2		160	170	٦	1	7	2	7	78	4	4				e		'n	8	~	7	0	7	w	٦	~	n	~
8		-	n _Q	٥٥	7	9	9	٠,	7	9	7				9/		જ	00	2	5	و	n	Υ	7	7	7	76
RAD			Fam Du	20	28	86	85	84	85	88	88	₹00 00	*00	00 \$	80	\$000 t	98	200	28	48	70	00	87	86	2%	20	98
		٠		9.0	0.8	0.5,	8.0	8.5	8.0	8.5	8.5	9.6	8.5	8.0	9.0	8:0	0.8	0.0	7.0	7.5	8.0	7.5	0.8	8.5	25.50	5.8	8.0
0			DZ Vdm Ldm	0.7	12.5	0.9	2.5	5.5	5.0	5.5	6.0	6.0	0.0	2.5	5.5	5.0	5.0 8	5.0	4.0	4.5 7	5.0	4.5	5.0	5.5	50 8	منح	5.0
ES	-	051	70	7	7	7	4	7	2	7	8	78	4	. 4	7	76	9	3	4	7	3	7	7)	2	2	7	4
		0	n _o	7	7	7	n	7	7	76	~	7	7	7	0	~	て	76	0	76	0	4	~	જ	7	76	7
₹ 			Fam	811	8//	811	811	811	118	811	811	811	811	811	811	811	911	8/1	8//	811	811	811	8//	811	811	120	
~				8.5	8.5	8.5	8.5	8.5 //	7.0 1	6.5	75 1	7.0 //		=	1.0.8	75- 1	_	7.0 /	7.0 /	7.0 /	7.0 /	6.5	7.0 /	7.0 /	8.0	8.0	<u>``</u>
JU			dm La	5,5 8.		5.0 80	5.0 8.	4.5 8.	4.0 7.	3.5 6.	4.0 7	45 7	2.9 2.5	5:0 8.5	4.0	4.0 7	4.5 7.5	4.0 7.	3.5 7.	4.0 7.	3.5 7	3.5 6.	4.07	-	5.0 8.	45- 8	5/8
F.		013	D& Vdm Ldm	2	6:0	4	4 5.	3 4.	7.	بى ج	7 4	4	رب س	4	2.	3 4.	4 4.	4	ار ارم	4	4 5	7	4	4 40	3	3	4 5.5 8.5 118
Ŧ		0		7	7	2	2	٦,	7	4	7	76	7	7	7			9	7		4	7	7	7			
N			Fam Du	11				165 2		3	163 4	165			163 4	163 4	3 4	~	~	163 4	165	165	167 0	167 4	165 4	E 591	5 4
MONTH-HOUR VALUES OF	(10)	١ (٦	uoH re	2	165	02 1/65	03 165	04 1/6	05 1/65	29	=		9 163	10 165			3 16	14 /6	15 //	9/ 91	==						23 165
	(TS.	1) 4	·ioH	8	ō	0	0	Ó	Ö	90	07	08	60		=1	12	13	-	=	-	17	8	6	20	2	22	2

 F_{gm} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{R}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

18-594-magosn

Lat. 76, 6N Long. 68, 7W Month April 19 62		10	Dz Vdm Ldm Fom Du Dz Vdm Ldm Fam Du Dz Vdm Ldm	2, 6 2	13 6 2	73	23	25	25 4 2	73 6 7	73	23	+-8	۵/ ۲ ع	21/64	17	25-		2+2	12	***	3, 4 8	31 8 12	31612	29 6 10	*~8	m + ~6	
and Lat. 76.61		2	De Vam Lam Fam Du C	36	36	42	140	42	100	46	34	36	34	36	32	30	34	۲۶	ري	34	34	36	35	42	38	07	38	
Station Thule, Greenland	ncy (Mc)	2	Dr Vam Lam Fam Du Dr V	4/	33	42	146	37	45	45	35-	33	33	31	33	37	39	39	37	37	39	35	3/	٦/ ٢	33	3.5	33	
Station	Frequency		٥																									
RADIO NOISE		.160	ρn		9 + 1		20								6 2					6 2		2 9 7	25			7	6 2	4.5
VALUES OF R		. 051	Fam Du Dr Vdm Ldm Fam	119 3 2 \$ 86	119 4 2	119 5 2	118 6 1 26	0 9	117 4 0	98 0 5 211	117 4 0 # 88	*00	1/8 5 3	17 5 0 \$	117 4 0 86	88 0 7 411	117 5 2 2 11	117 4 0 # 711	117 4 0 1 86	117 5 0 86	117 5- 0 48	117 6 0 88	1750 5	119 4 2 \$	117 6 0 4 711	0 9 111	119 4 2 86	o ontenna noise in dh above
MONTH-HOUR VALUES OF	(TS	013	Vdm Ldm	9 9 77/00	t 9 991 10	2 9	03/66 2 6	7 4	11 4 4 4	06/164 6 6	7 7	1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 × 1 ×	1/ 2 / 1/ 60	10/64 3 4		12 164 4 2	13 164 4 2	14 164 6 2	15/64 4 2		6 4	18 164 6 2	11 1 4 4 791 61	20 166 4 6 11	21 16644	22 166 6 6 11	23 166 4 4	F = median value of effective antenna noise in ab above ktb

 $F_{\rm Qm}$ = median value of effective antenna noise in db above ktb $D_{\rm U}$ = ratio of upper decile to median in db $D_{\mathcal R}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

Month March
ong. 93.8 W
Lat. 38, 7N Long. 93, 8 W
Station Warrensburg, Mo.
NOISE
OF RADIO
VALUES
JTH-HOUR

19 61

Fom Du Dy Vam Lam Fom Du Lam Fom Du Du Vam Lam Fom Du Lam Lam Fom Du Lam Lam Fom Du Lam Lam Fom Lam Lam Lam Lam Lam Lam Lam Lam Lam La	Frequency (Mc)	160 495	Vdm Ldm Fam Du	7.0 13.0 100 5.5 10.5	6.5 130 98	*02	*		4 4 6.5		7.5 100 \$ 9	21		*2:	5.0 9.5 47	# 7 5 # 45.5	7.0 12.0 71	6.0 95 T3 4,5 Post	79	15 6.5 (25) 68 25 8 5.0 Ro	6.5 140 75 18 10 5.0 9.0	7 5/5 1/0 87 6 5 4/5 1/10	6 16	6.0 13.0 96 6 7 5.3,120	20 11:0 99 7 8 5:0 11:5	5 2
Fom Du Dy Vam Lam Fom Du 138 116 113 113 115 115 115 115 115 115 115 115			Du De Vam Lam Fam Du		86*	*02	*	8.0 97 3.5	× 00	73	59	21		75-	* 5 8.19	# 7 5 # 45.5	1/2	9,5 73		25	18	9 18	9 6 16	1 9 76	8 6 66 011	6 6.5 11.0 101 5 7 4.0 8.5
Value Laboratoria de la companya de			Fam Du Dr Vam Lam Fam Du	9.0 13.5	9.0 155	8.5 16.0	8.5 15.0	7,5 14,5	7.0 /3.0	7.0 155	8.0 14.3-	19.5 19.5	17.0 445	8.5 15.0	10.0 18.0	9.5 18.0	4 6 9.0 14.5	7.0 12.0	6.0 12.0	8 6 8.0 15.0 104 6	6 8 7.5 13.5	5 9 2013.0 112 6	4 411 6.11 0.9	4 4 6.5 11,5	7 3 8.0 130	9 6 7.5 11.5 116 8

 F_{Qm} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{R}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

RN-13

. 19-294-MM0220

USCONM-NES-PL

 $F_{\alpha m}$ = median value of effective antenna noise in db above ktb D_{μ} = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

 $F_{\rm DM}$ = median value of effective antenna naise in db above ktb $D_{\rm U}$ = ratio of upper declie to median in db $D_{\mathcal R}$ = ratio of median to lower declie in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

USCOME,NES-PL

1961 July 1961			Dz Vdm Ldm Fam Du Dz Vdm Ldm Fam Du Dz Vdm Ldm Fam Du Dz Vdm Ldm																									
Station Warrensburg, Mo.	Frequency (Mc)		D& Vdm Ldm Fam Du	3.5 6.5	40 40	4.0 8.0	4.5 9.5	6.0 11.0	7.5/15.5	7.0 /6.5	8.017.0	3.0 *	4.5 7.5	8.5 16.5	9.0 15.0	7.0 11.5	7.5 13.5	5.5 9.5	4.08.0	6.0 11.0	5.0 9.0	5.0 9.5	4.0 6.5	5.0 8.5	3,5 7.0	5.0 9.0	2.0 5.0	
	Fre	.495	Du		103	103					90	h8	48	82	26	8 d	6	100	96	701	00/	86	96	86	55	40)		
OF RADIO NOISE		.160	7 _Q	4.5 8.0	5.5 9.5 103	5.5 10.0	6.0 11.0	6.5 12.0 106	8:0 XSS	\$ 0.8	9.5 16.5	10.0 17.0	40 /6.0	9.0 16.0	4.5.15	7.5 /3.5	6.5 11.0	5.0 9.5	5.5 9.0	5.0 8.5 102	4.0 8.0	5.0 6.5	4.0 7.5	4.5 8.5	4.5 8.0	× × × × × × × × × × × × × × × × × × ×	40 7.5 98	
F RAD			-dm Fam Du	11.0 125	6.0105 127	10.5 125	40/ 0.6	13.0 123	8.0 14.0 121	121 0.8	CC/ 0.71	* 118	16.5 117	14.5 117	40113	12.5 116	40 119	9.0 121	8.5 120	61/ 518	7.5 120	90 119	9.0 120	9.0 121	8.5 129	50,5 123	10.5 123	40.0
UES C		.051	1 De Vam Lam	6.0 //.0	6.0	6.0/0.5	7.0 12.0	7.5	8.0	11.0180	11.0 17.0	11.0 /75	4,5,4	9.5	8.0 14.0	7.5 12.5	\$.0	5.5	5.0 8.5	5.0 8.5	* ¥	5.0 9	15.5	5.0	*2	6.0/0.5	6.0 10.5	
3 VAL			im Fat Du	/h/;	7.41	143	143	7/11	/39	137	137	/35	/33	/33	134	137	139	/37	141	141	141	ah/	041	140	141	141	141	and the same
MONTH-HOUR VALUES			Fam Du DA Vam Ldm																									A A The second of
Ž	(TS	(I	inoH	8	ō	02	03	04	90	90	20	80	60	0_	Ξ	12	13	14	15	91	17	8	6	50	21	22	23	L

 F_{am} = median value of effective antenna noise in db above ktb D_{μ} = ratio of upper decile to median in db $D_{\mathcal{A}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

USCOMMENDS-PL

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The same of the same of			Vdm																									
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	(Mc)		Du																									
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	ency		Ldm																									-
	Frequency		De Vem Lem Fam																									
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			O	00	10	10	0/	10	18	3	8/	20				18		16	14	14	7/	14	00	2	00	10	15	
			Fam	101	101	101	707	101	16	79	83	83	*1	±0€	*	83	85-	83	16	16	93	6	95	97	66	66	66	
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-			Fam	141	141	141	141	139	137	133	/33	/33	/3/	* /3/	133	135	/37	0 1/2 0	139	139	139	139	141	139	139	139	139	
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	(10	7)	Fam	157	15-8	02 158	3 15-8	04 /5-6	05 156	5 154	7 154	154 80	4-51	#5/ 15.4	11 /5-5	7.51	8-51	1 160		09/8	160	3 160	8-51	20 158	15-8	2/5-6	3 157	
-	(TS	1)]	Hon	8	0	Ö	03	Ò	ő	90	07	ő	60	0		12	13	14	15	9	17	8	6	20	2	22	23	

m'Ldm

19 61

Month August

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W.

MONTH-HOUR VALUES OF RADIO NOISE

 f_{Qm} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{R}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

USCORM-NES-PL

Month September 1961			D& Vdm																								
r 19			70																								
<u>196</u> 1			n _Q																								
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Set			E P																								
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Lat. 38.7N Long. 93.8W			E D_L																								
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Station Warrensburg, Mo.	3		_																								
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O			dm L																								
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2			DA Vdm Ldm																								
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MONTH-HOUR VALUES		. 013	n O	0/	9	6									20	13	0/	_	<i>∞</i>	11	6	∞	~	0/	7	7	0
N			Fam C	154 1	451	7.5	54/	C,	7 73	0.0	HI 051	57 /	150 /	9.5	653		15% 1	157 19	851	157 1	15.5/	451	1/2	184 1	5.51		1/65
M	(TS	ل (٦		7 00	01	02 154	03 154 10	04 152	01 52/ 30	06 150	07	08 151 12	60	10 1/5-6	11	12 152	13/2	14	15/15	16 /	17	18	19 154 12	20 /3	21 /3	22 156	23 154 10
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Ldm

 $F_{\rm om}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\cal R}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

Lat. 38.7N Long. 93.8W
Station Warrensburg, Mo.
NOISE
F RADIO
ONTH-HOUR VALUES OF RADIO NOISE
-HOUR
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Month October 19 61

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		D& Vdm Ldm												-												
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		ng Eg	154			15.51	15.5		151	151 10	151	151	15.3	¥ /53	151	152	152	153	151	153	15.5	15.5	158	21 155 16	22 156 12	15'5
(TS	اد (٦	noH	00	01 155	02 155	03	04 155	05 153	06 151	07	80	60	10 753	* -	12	13	4	15	91	1	8	6	20	12	22	23
			-																_							

 F_{dm} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

14-54\m200000

16-29-4403-81

NOISE
RADIO
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VALUES
-HOUR
H-HLNOW
MON

Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Month November 19 61

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 $f_{\rm Gm}$ = median value of effective antenna noise in db above ktb $D_{\rm L}$ = ratio of upper decile to median in db $D_{\cal Z}$ = ratio of median to lower decile in db $V_{\rm Gm}$ = median deviation of average voltage in db below mean power $L_{\rm Gm}$ = median deviation of overage logarithm in db below mean power

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Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W

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14-24-24-002-1

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Month January 19 62

Station Warrensburg, Mo Lat. 38.7N Long. 93.8W

MONTH-HOUR VALUES OF RADIO NOISE

 f_{Gm} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{R}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

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 F_{Gm} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{Gm} = median deviation of average voltage in db below mean power L_{Gm} = median deviation of average logarithm in db below mean power

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			Fam	137	/37	138	137	136	/35	/33	132	/3,	13)	120	129	13.	131	/3/	/3/	131	/3/	131	133	133	3	134	35
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 F_{am} = median value of effective antenna noise in db above ktb D_{μ} = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} * median deviation of average logarithm in db below mean power

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USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

1			Ld mb	15:5	137	130	11.0	0.0	6.5	55	13,5
962		2000-2400	Vdm	0.0/	8.5	15.	0.9	5.5	0.	20.50	2,5
<u>~</u>		-2	De	12	9	2	9	9	7	و	~
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r e		-20	ρζ	12	~	00	7	00	-5	7	~
4		8	20	7	~	0	0/	0/	9	7	7
Season Spring (Mar. Apr. May.) 19-62.		1600-2000	Fam	160	134	///	92	5-3	54	49	29
ind		\equiv	-da	17.0	6.51	17.5	0 //	0.77	7.0	20	0,5
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		8	n	7	∞	12	14	8/	73	9	۰
Station Bathoa, Canal Zone Lot. 9, ON Long. 79, 5W	TIME BLOCKS (LST)	0800-1200 1200-1600	-dm Fam Du Dr Vdm Ldm	16.5 159 4 5 10.0 16.0 157 5 6 125 17.0 16.0 4 5 11.0 17.0 16.0 4 5 10.0 15.5 158 5 5 10.0 15.5	/33	801	87	11.0 63 7 9 7.5/30 40 15 9 7.0/05 40 18 10 6.5/1.0 53 10 8 65/1.0 66 4 6 5.5/00	36	50 42 5 5 30 55 36 6 6 40 6.5 38 6 6 40 70 49 4 4 3.5 6.0 50 5 6 3.0 55	2.5 25 2 2 15 25 26 2 2.5 3.5 2.5 2.5 2.5 2.5 2.5 2.0 29 4 3 3.5 5.5 2.5 2.5 3.5
79	CO		-dm	17.0	19.0	5/6	11.5	10.5	8.0	2.9	2.5
9	E B	8	/dm	125	12.50	12.5	8.0	7.0	15.7	4.0	2,5,
Ę.	TIM	_12	De	9	//	17	0/	0	9	9	2
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+- 6			Ldm	16.0	16.5	0.8/	15.5	13.0	9.5	5,5	3.5
۲		900	V _{dm}	0.0	10.5	/0.5	2.5	7.5	155	25.0	1.5
a		0400-0800	DR	5	<i>∞</i>	15,	/3	6	6	5	ィ
Zon		90	n	7	2	6	is	2	7	7	8
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q				16.5	15.0	14.0	/3.0	11.0	5.5	5.0	2.5
hoa		400	Vdm	0.0/	9.0		7.5	0.9	6.2	3.0	1.5
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ion		0000-0400	D _u D _e V _{dm}	7	9	9	2	7	2	9	4
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			Frequency (Mc)	. 0/3	, 051	091.	.495	2.6	5	10	20

 $F_{\alpha m}$ = median value of effective antenna noise in db above ktb D_u = ratio of upper decile to median in db $D_{\mathcal{L}}$ = ratio of median to lower decile in db

 V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

						_				_	_
79-			L-dm	2.//	15.5	135	13.0				
196		400	Z P	7.5	150	55	7.5				
<u> </u>		2000-2400	* t	~	=	14	7	5	14	23	~
q		00	* 7	0	00	7	13	6	9	15	18
되		22	m _D	145	611	92	96	50 9 9	53 6 14	4, 15 23	35 18 3
Ian.			Ldm	8.0	12.6	11.5	17.0				
1		00	V _{dm}	3.0	6.0	5.5	0.9				
i i		-2(* # D	00	14	08/	41	6	71	17	7
Ą		0	‡ ₀	7	6	7.	14	00	5	10	18
Season Winter (Dec. Jan, Feb.) 1961-62		1600-2000	Fam	141	011	3	69	43 8 7	52 S 12	45 10 17	7 8/ 98
Vint			mb-	00	13.0	مري	125				
ou	į	00	Ndm l	4.0	2.0	8.5	45				
eas	(T	91-	** Dø	12	4	9/	2	マ	11	4/	9
	(LS	00	*03	0	7-	0/	5	3	9	<i>ل</i> ح	76
W	TIME BLOCKS (LST)	1200-1600	Fam	140	101	74	49	34 3 2	37 6 11	41 5 44	37 16 6
5.2	007		Ę.	0./	3.5	0	7.5				
01.f	E B	8	/dm	7.0%	9.0	0.0	3.0				
juo-	IME	-12	1 7 0 De	76	7	0/	7	76	7	9/	و
		0800-1200	p _n	9	ω,	2	00	w	72	9	7
Lat. 43.2N Long. 105.2W		080	De Vamildon Fan Du De Vamildon Fan Du De Vamildon Fan Du De Vamildon Fan Du	90 130 147 3 4 20 120 141 6 2 20 110 140 9 5 40 800 141 4 8 3.0 800 145 6 7 75 115	9.0 145/17 6 6 8/5 150 102 13 4 9.0 13.5 101 14 12 7.0 13.0 110 9 14 6.0 125 119 8 11 8/5 155	85/150 83 10 8 85 120 70 16 10 6.0 9.0 74 10 16 3.0 5.0 82 12 18 5.5/15 92 12 14 85 135	83 14 10 85 145 72 10 12 10 150 60 8 4 30 75 64 5 7 45 125 69 14 14 60 11.0 96 13 12 75 13.0	39 3 2	35 5 12	40 6 16	36 14 6
4			-dm	0.4	5.0	0.0	15.0				
La		8	/dm/L	0:	15/	1.5.	0.				
		89	100	7	2	00	7	-9	Ψ.	2	7
		9	***	6	9	0/	9/	0	6	9	8/
1. Wyoming		0400-0800	Fam	641	117	800	72	9 6 94	52 5 13	42 6 16	7 18 4
Wyo		00	Ę.	/3.6 /	Shi	5.0	4.5				
111.		9	J mb/	9.0	9.0	15.8	15.8				
B		Ò	** Dø	5	000	11	0/	00	5	17	n
on_		-0000	* "	7	0.	72	14	7	1,2	17	00
Station Bil		8	Fam Du	H 6H1	121	93 12	83	50 12	54	39	36
			Frequency (Mc)	***	1-50.	x * * 16 0	* * * *	2.5	1,5	0/	80

Fam = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

 $D_{\mathcal{L}}$ = ratio of median to lower decile in db

 $V_{d\,m}$ = median deviation of average voltage in db below mean power $L_{d\,m}$ = median deviation of average logarithm in db below mean power

* * No December or January Data

*** No January or February Data for Voltage and Log

иссым.наз.в.

			Ę.	2.9	4.0	3.0		2.5	9.0	
-62		8	dm L	1.01	0.	7.0 /		0::0	0	
6		-24	100	6	00	=	_	7	3	
4		2000-2400		7	6			2	29	
Ma		20	E E	5.7	31	0/		7		
i			LL"	-/ 0'	/	0.		2	9	
Apr		1600-2000	P	5 16.	15	, v		0 6.	12	
		200	200	10	00	é		7.	7.	
Mar		<u> </u>	O,	9	6/ 6	14		9	~	
		09	۵	6	2/8	1/3		7 7	,	
ring			'n	15	7	105		5.8	54	
Sp			Ldm	16.5	16.0	1/.5		4.5	5,5	
son		900	V _d m	17.0	9.5	6.0		اک بھ	3.0	
Sea	ST)	<u>-</u>	De	9	10	14		12	,ν	
,	7	8	2	0	/3	7		17	=	
W	TIME BLOCKS (LST)	12	Fam	15-6	123	46		51	43	
5.1	õ		-dm	7.5.	18.5	12.5		4.0	15.	
J. F	ED 111	8	/dm/	1.5/	11.0	7.0		3.5	,2.	
Long	MI	-12	00	12	0/	15		4	7	
		8	na	2	/3	81		00	7	
0 1N		0800-1200 1200-1600	Fam	55/	911	68		8 /2	39	
4			mp-	17.5	17.0	14.0		12.0	7.0	
٦		0400-0800	\dm\	11.5	00/	8.0		4.0	15.	
		ŏ	DR	12	0	15		9	12	
op		8	na	9	0/	11		2	2	
. Colorado Lat. 40.1N Long. 105.1W Season Spring, Mar. Apr. May) 19.62		04	Fam Du De Vam Lam	75 153 6 5 115 175 152 7 5 115 175 156 7 6 11.0 165 156 7 6 105 16.0 157 7 6 11.0 16.5	5.55 10 9 100 170 110 13 10 11.0 185 123 13 10 9,5 16.0 128 6.1 0 12 8.5 145 131 8 8 8.0 140	4.0 92 17 15 8.0 14.0 69 18 15 7.0 125 94 21 14 6.0 115 105 13 14 6.5 12.0 110 11 11 7.0 130		9.0 53 7 6 4.0 6.5 48 8 4 25 4.0 51 17 5 25 4.5 58 13 6 4.0 65 67 9 7 5.0 8.5	49 7 5 45 70 39 7 4 25 45 43 11 5 3.0 5.5 54 7 7 4.5 80 61 6 6 5.0 9.0	
9			E E	75.	15.5	0.7		9.0	15.6	
lder		9	Vdml	11.0/	9.0	75.		5.0	5.5	
Воп		Ŏ-	ďQ	7	00	0/		00	4	
on .		0000-0400	۵	7	6	0/		0	2	
Station Boulder		00	Fam	15-6	130	01 01 801		79	5-8	
			Frequency (Mc)	0/3	150.	160		2.5	٦,	

 F_{qm} = median value of effective antenna noise in db above ktb D_u = ratio of upper decile to median in db $D_{\mathcal{L}}$ = ratio of median to lower decile in db

Ldm = median deviation of average logarithm in db below mean power V_{dm} = median deviation of average voltage in db below mean power

USCOMM NBS BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

1			E	12.5	4.5	5.5	0.00	11.5	0.5	7.0	4.0
-62		8	dm/	8.0	1,5,	0.	12.	ری:	0.,	0',	12.
<u>o</u>		-24	100	3	7	9	7	7 6	3	7	0
J		2000-2400	_5	M			2		,	,	~
Ma		8	<u>Ω</u>	9	2	7 7	2	.00	7	7	~
l			ΓĎ	2	3	0/	00	5	3	4	8
컵			Ldr	14.0	09/	17.0	0.6/	/30	1/.0	7.0	4.0
1		8	Vdrr	8.5	sis.	95	6.5	75.	5'9	4.0	200
1 e		1600-2000	De	η	7	11	7	00	7	15	8
7		8	na	n	00	べ	7	13	11	9	7
Sedson_Fall(9	Fam	155	/23	46	11	43	44	41	3
Fal			-dm	17.0	180	76.5	9.0	85	0.0/	7.5	6.0
On-		00	V _{dm}	12.0	11.0	0.0	15,5	5.0	0.0	5.0	4.0
eas	Ē	91-	DR	7	9	6	9		12	5	~
	(LS	00	a	7	5	29	17	7	72	Do	3
Lat. 30, 6SLong. 130, 4E	TIME BLOCKS (LST)	1200-1600	La mo	153	119	79	64	20	22	29	23
0.4	9		Ę.	17.5	19.0	12.0	3.0	3.0	15:00	7.0	7.5
J. 13	8	8	dm/	1,5,1	75.7	1.0.1	9.0	5.0	0 9	5.0	0.0
Lonç	TIME	0800-1200	00	7	7	6	29	4	e	7	~
		8	n	1-2	0/	g	73	78	/3	7	m
9,68		08	Fam	151	113	72	1/6	r	3	27	22
t. 3			mp-	14.0	140	09/	/3.5	0./1	0.8	6.0	4.0
La		8	\dm\	9.0	9.0	9.5	5.5	2,5,	5.0	3.5	1,5.
		80-	0.0	78	^ر ک	7	000	9	7	9	
		8	Du	7	9	6	7	01	-9	9	_
Australia		0000-0400 0400-0800	m _o	8.0 120 155 4 2 9.0 14.0 151 5 4 115 175 153 4 4 120 170 155 3 3 8.5 140 156 3 3 6.0	90140126 6 5 90140 113 10 7 125 190 119 9 6 11,0/80 123 8 7 9.5/160 130 4 4 85 145	80 130 92 9 7 95 160 72 20 9 11.0 165 79 16 9 100 165 94 12 11 95 170 106 6 6 80 135	75/30 65/28 85/35 46/3 6 90/30 49/7 6 55 90 71/2 7 65/20 87 7 6 65/20	6.5 115 48 10 6 6.5 110 21 12 2 5.0 20 20 12 1 5.0 85 43 13 8 7.5 130 58 8 7 6.5 115	95 51 6 7 5:0 8:0 22 12 6 60 85 22 12 5 60 10.0 44 11 7 6511.0 54 6 6 6.0 105	70 38 6 6 35 6.0 27 7 4 5.0 7.0 29 8 5 5.0 75 41 6 5 4.0 7.0 42 6 5 4.0 7.0	1 25 40 23 111 25 40 22 3 2 30 45 23 3 2 40 60 23 4 2 30 40 22 2 1 25 40
Ansı			-d-	2.0	140	3.0	/3.0	12.	3,	20%	7.0
N N		400	/dm L	0.90	00	8.0	7.5	15.9	5.5	4.0	15.
Coo		-04	De	~	7	10	9	7	9	5 4.0	-
on _		00	n	w	12	7	6	10	9	7	
Station_Cook_		8	Fam Du De Vam Lam	156	/30	101	35,	57 10	52	1/	777
			Frequency (Mc)	. 0/3	150.	160	545	2.5	5-	0/	70

Fam = median value of effective antenna noise in db above ktb

 $D_{u} = ratio \ of \ upper \ decile \ to \ median \ in \ db$ $D_{\mathcal{L}} = ratio \ of \ median \ to \ lower \ decile \ in \ db$

V_{dm} = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

TIME BLOCKS (LST)	0800-1200 1200-1600 1600-2000 2000-2400	Fam Du De Vam Lam	15.5 148 4 4 11.0 175 147 4 4 105 165 151 5 4 85 13.0 150 4 3 75 12.0 151 4 3 8.0 135	15 8 7 11.0 17.0 119 7 5 8.0 13.0	9.5 92 7 8 4.0 8.0 90 6 7 5.0 8.5 91 9 7 7.0 12.0 93 7 7 6.0 105 101 7 7 5.5 9.5	6.5 59 7 4 25 50 54 5 4 3.0 5.5 5 9 4 3.0 6.6 8 4 3.0 4.5 76 13 6 3.0 6.5	10.5 47 8 5 55/00 33 5 4 40 6.5 35 4 5 4.0 6.0 48 7 4 35 70 61 5 4 5.0 9.0	70 46 6 3 4.0 6.5 35 7 5 6.5 9.0 36 8 7 6.5 120 51 7 4 4.0 70 58 6 4 35 6.5	10 7.5 45 15 7 3.5 6.5	3.0 20 2 2 2.5 3.5 20 3 3 20 3.5 22 4 3 2.5 4.5 21 4 3 2.0 4.0 19 2 2 1.5 3.5
(LST)	1600-2000	Im Ldm Fam Du De Vdm Ldm Fam Du De Vdm	150 4 3 75 120 151 4 3 8.0	15 8 7 11.0 17.0 119 7 5 8.0	7 6.0 105 101 7 7 55	3,0 4.5 76 13 6 3.0	3.5 7.0 61 5 4 5.0	4.07.0 58 6 4 3.5	10 7.5 45 15 7 3.5	040 19 2 2 1.5
(LST)	1600-2000	Im Ldm Fam Du De Vdm Ldm Fam Du De	150 4 3 75 120 151 4 3	15 8 7 11.0 17.0 119 7 5	7 6.0 105 101 7 7	3.0 4.5 76 13 6	3.5 7.0 61 5 4	4.07.0 58 6 4	10 7.5 45 15 7	0 40 19 2
(LST)	1600-2000	Im Ldm Fam Du De Vdm Ldm Fam Du	150 4 3 75 120 151 4	15 8 7 11.0 17.0 119 7	7 6.0 105 101 7	3.0 4.5 76 13	3.5 7.0 61 5	4.07.0 58 6	10 7.5 45 15	0 40 19 2
(LST)	1600-2000	Imledm Fam Du De Vamledm Fam	150 4 3 75 12.0 151	15 8 7 11.0 17.0 119	7 6.0 10.5 101	3.0 4.5 76	3.5 7.0 61	4.07.0 58	10 7.5 45	0 40 19
(LST)	-	Imledm Fam Du De Vamledm	150 4 3 75 12.0	15 8 7 11.0 17.0	7 6.0 10.5	3.0 4.5	3.5 7.0	4.07.0	10 7.5	0.40
(LST)	-	Im Lan Fam Du De Vam	150 4 3 75	15 8 7 11.0	7 6.0	3,0	3.5	4.0	0	0
(LST)	-	Im Ldm Fam Du De	0 150 4 3	15 8 7	2 2				2	8
(LST)	-	Im Ldm Fam Du	150 1	8 51	2	2	7	7	7	\sim
(LST)	-	Im Ldm Fam	150	15	"	∞	7	2	7	4
(LST)	-1600	Im L-dm		-	93	99	84	15	5-0	à
(LST)	-1600	E	13.6	15.5	3.0	2,0	6.0	10.0	9.5	4.5
(LST)	91-	>0	8.5	10.5	2.0	3.0	4.0	6.5	0.0	7.5
3		DR	7	S	0	*	7	2	-9	~
	00	٥	12	1.1	0	0	7	000	9	7
SKS	12	Fam	151	111	16	55	35	36	48	22
Š		-dm	-5.9/	170	,5,0	5.5	5.9	9.0	7.5	3.5
Ш	00	Vdm	125	17.5	5.0	3,0	4.0	5.9	45	~°
Z	-12	De	7	12	2	7	7	1,2	7	\sim
•	8	n _Q	7		9	72	12	7	00	3
	88	Fam	147	501	90	54	33	35	42	20
		Ldm	21/	16.0	8.0	5.0	10.0	6.5	5,0	3.5
	8	Vdm	11.0	11.0	4.0	2,5,	5.5,	4.0	200	1,5
	õ	DR	7	9	00	7	10	'n	-9	~
	0400-0800	D _u	7	6	7	2	00	9	2	~
	ŏ	Fam	148	106	92	5-9	47	46	42	20
		-dm	15.5	/3.5	9.5	6.51	10.5	2.0	5.0	3.0
	400	V _{dm}	0.0/	8.0					اري ه	1,5.
	0	De	m	7	7	7	1,2	7	12	8
	8	ρ	2	7	7		7	9	∞	0
	ŏ	n _a m	152	911	102		5.5	5.5	40	2
		Frequency (Mc)	. 013	. 051	091.	.495	2,5	12	10	80
		0000-0400	Frequency F _{am} D _u D _e V _{dm} L _{dm}	Fam Du De Vam	Fam Du Dg Vdm //52 3 3 /0.0	COOO - O400 Fam Du De Vdm 1/52 3 3 10.0 1/6 7 4 8.0 1/02 7 7 4.5	Component Comp	59 7 5 6.0	55- 6 4 4.0	Fam Du De Vdm 1/52, 3 3 10.0 1/16 7 4 8.0 1/02 7 7 4/5 74 14 7 4.0 5-5 6 4 4.0 40 8 5 2.5

 F_{dm} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db D_{ℓ} = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

20			L G							
9		400	Vam							
_		-2	De	10	9	9	7	9	1	
ay		2000-2400	۵	00	00	00	9	9	3	
M		2	Fam	111	67	12	99	94	23	
pr.			m p							
7		00	V _{dm}		,					
far.		1600-2000	ρQ	10	00	7	-9	5	8	
2		00	na	4/2	08	50 15	11	6 64	7	
Sedson Spring (Mar. Apr. May) 19_62		9	Fam	HIC 101	69 18	50	11 95	64	35 4	
pri			-p							
uo.		1200-1600	V _{dm} l							
Seas	ST)	91-	Ja	00	,2	3	7	7	-	
	(L.	00	n	20	20	17	14	00	7	
Long. 78. 2W	TIME BLOCKS (LST)	12	Fam	94 20	63 20	32 17 3	36 14	388	7 40	
3.27	100		m p							
g. 78	EE	00	V _{dm}							
Lon	TIM	0800-1200	Ja	9	~	~	4	n	/	
		00	na	14	5-9 10	8	7	7	1	
. 8N		80	Fam	16	5-9	32	35 7	35- 7	24	
1.38			-dm							
La		0400-0800	Vdm							
nia		ő	γO	6	7	7	9	N	_	
irgi		100	na	12 9	2 11 69	5	00	9	0	
Station Front Royal, Virginia_Lat.38.8N		0	Vamildam Fam Du De Vamildam	98	63	54	54	39	23	
oya			-dm							
nt F		400	Vdm							
Fro		0-	ďq	0	9	0/	7	5	1	
ion.		0000	۵	00	8	7	9	9	1	
Stat		ŏ	Fam Du De	601	87	71	49	40	23	
			Frequency (Mc)	./35	,500	15.6	7	01	20	

Fam = median value of effective antenna noise in db above ktb

 $D_{\boldsymbol{u}}$ = ratio of upper decile to median in db $D_{\boldsymbol{\mathcal{L}}}$ = ratio of median to lower decile in db

Ldm = median deviation of average logarithm in db below mean power V_{dm} = median deviation of average voltage in db below mean power

Sedson Spring (Mar. Apr. May) 19 62 _Long._159.7W Station Kekaha (Kauai), T. H. Lat. 22, 0N

12.0 195 8.0 13.0 Fam Du De Vam Lam Fam Du De Vam Lam 10.0/ 3.0 5.0 2.0 3.5 2000 - 2400 4 2 2.5 5.0 25 2 3 3.0 4.5 24 2 00 6/ 111 22 10 12.018.0 114 18 10 13.0 20.0 109 23 8 11.0 17.0 124 14 9 8.5 15.5 102 16 14 4 120 19.5 151 7 3.0 5.5 47 32 7 45 7.5 56 8 7.0 125 62 32 11 65 105 1600-2000 83 30 4 12.0 18.5 149 8 19 39 13 5 77 39 82 32 11 95 17.0 79 32 8 85 15.0 Fam Du De Vam Lam Fam Du De Vam Lam Fam Du De Vam Lam 56 36 10 6.0 9.0 4 4.0 6.5 6 6.5 10.0 5.5 8.5 23 15 6 7.0 10.5 1200-1600 TIME BLOCKS (LST) 15/ 3 3 11.0 17.0 150 8 L 2.5/15/ 2 20 3.5 6.0 34 8 5.5 /0.0 6 6.0/0.0 0800 - 1200 5 7 6.5 10.5 29 15 35 5.5 25 13 37 7.0 11.5 36 19 150 8 2.0 3.5 22 5.6 4 11.0 185 4 10.0 16.5 7.5 13.5 9,5-17.0 0400-0800 11 34 10 95 20 8 9 7 11/26/ +1 6 100 16.0 154 6 00 9 25 54 64 25 6 11.0 18.0 De Van Lam 10.8/ 18.0 8.0 14.0 3.5 5.5 1 1,5 3.0 8 9.0 17.5 0000 - 0400 5 د 9 Fam Du 105 15 17 5 154 130 42 44 84 5-8 - 9 051 495 013 Frequency (Mc) 2.5 12 10

Fam = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

 $D_{\mathcal{L}}$ = ratio of median to lower decile in db

 V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

PRN-14

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

اد			Ldm	11.5	140	12.0	12.5	9,5	8.5	7.5	3.0
62		2000-2400	P _P	2.0	2.8	5.9	2.0	6.0	5,0	4.5	2.0
<u>~</u>		-2	De	2	~	2	2	~	9	Ų	7
a V		00	Du	7	7	10		10	7	1	~
¥		20	Fam	5.5/	134	102	18	58	79	43	25
OT.			Ę	1.5	13.0	15.0	2.0	0.0	9.0	7.5.	4.0
Ą		00	-dm A	2.0	8.5	9.0	7.0.	8.0	5.5	5.0	15.
ar		1600-2000	De	7	,~	00	و	7	7	ή	٦
Z		9	n	5	10	15,	7	10	00	ام	~
Ldt. 35.6N Long. 140.5E Season Spring (Mar. Apr. May) 19.62		91	Fom Du De Van Lam Fam Du De Van Lam	11.0 149 4 4 8.0 120 147 4 3 No 5/40 148 4 4 9,5 140 150 5 4 20 115 120 4 4 20 115	8.5 13.5 117 7 5 9.5 140 109 9 5 100 13.5 113 9 6 8.5 130 114 10 5 8.5 130 134 7 3 8.5 140	140 88 11 9 9.0 155 76 16 7 65 11.5 78 18 9 5.5 9.0 88 15 8 9.0 15.0 102 10 6 6.5 120	12.5 63 10 5- 5.0 8.0 60 9 4 35 6.0 59 11 3 6.0 11.0 68 14 6 7.0 12.0 81 11 6 70 12.5	5.0 8.5 48 9 5 6.0 9.0 39 3 4 8.0 11.0 36 5 2 75 10.0 46 10 4 8.0 12.0 58 10 6 6.0 9.5	80 50 7 5 45 75 35 4 3 75 100 34 7 4 7.0 9.0 57 8 4 55 9.0 66 7 6 5.0 85	4 4,0 70 36 6 3 40 6.5 29 8 4 45 6.5 31 7 5-4.0 7.0 42 5 4 50 75 43 11 5-4.5 7.5	27
Spri			mb_	14.0	13.0	9.0	1/.0	0.0	9.0	7.0	7.0
uo.		000	V _{dm}	9.5	8.5,	1,5,2	6.0	7.5	7.0	4.0	5
Seas	T)	91-	De	7	و	2	\sim	4	4	7	~
	5	8	٥	4	0	8/		12	2	7	47
5E	TIME BLOCKS (LST)	0800-1200 1200-1600	Fam	841	113	28	5-9	36	34	3/	7 %
140	Š		mp_	14.0	/3.5	11.5	6.0	0.7/	0.0/	6.5	4.0
9.	Ш	8	Vdm	10.5	0.0/	6.5	12	0.0	7.5	4.5	20
آ ا	MIL	-12	βQ	~	1,2	7	7	4	ω.	7	_
7		8	۵	7	0	9/	6	m	7	8	7)
35, 61		ö	Fam	147	601	76	60	39	35	29	25,
=			Ldm	0.0	14.0	15.5	0.0	9.0	7.5	6.5	2,5
۲		8	V _{dm}	8.0	95	9.0	5.0	6.0	4.5	40	2.0
		Õ	ďQ	4	5	0	1,5	12	,5	3	\
e		8	D	4	7	11	10	5	7	9	7
ra, Japan		0400-0800	F _{am}	149	117	80	63	48	50	36	75%
a			L d	11.0	13,5	14.0	12.5	5.5	0.0	7.0	2,5
		400	Vdm	7.0	12.5	5 8,0	2.0	5.0	45	4.0	1.0
		0-	ďQ	7	8	12	9	•	4	7	
Station Ohi		0000-040	ص	7	٠١٧	2	0	5	0	9	_
Stat		Ō	Fam	150	125	104	2	5-8	57	40	12
			Frequency (Mc)	. 013	150	, 160	. 495	7.5	5	10	27

Fam = median value of effective antenna noise in db above ktb

 D_{u} = ratio of upper decile to median in db $D_{\mathcal{L}}$ = ratio of median to lower decile in db

Ldm = median deviation of average logarithm in db below mean power V_{dm} = median deviation of average voltage in db below mean power

			E								
62		00	dm Fam Du De Vdm Ldm Fam Du De Vdm Ldm Fam Du De Vdm Ldm Fam Du De Vdm Fam Du De Vdm Ldm Fam Du De Vdm Ldm								
6		2000-2400) A (7	9	08	7	0	-9	7	
\ \		00	D	e	9 0.		. ~	6	0	7 4	0
Ma		200	E	142 6 4	132 10	110 13	97 12 7	8 6 89	8 95	36	20 2
į			┖	14	[]	1	6	9	7)	~	~
SedSon_Fall (Mar, Apr, May) 1962		0	m L								
		1600-2000	P/ 3	1.		~	77	0	8	10	
Maı		-0	_ م	1,0	1	1 9.	7	4	9	1	+
4		160	<u>E</u>	143 5 5	131 11 7	103 16 13	87 12 13	56 12 10	6.01 hs	48 5 6	77 7
			r _o	14	13	10	00	5	7	7	~
Fa		0	n L dn								
ussu		09	\ \ \ \ \ \ \	. ,							
Sec	ST.	1-0	D,	5	1	14	6 /3	9	00	00	_
1	3 (1	1200-1600	٥	141 5 5	128 11 7	41 81 46	74 16 13	44 14	40 11	30 10	7 1 7 12
3E	CKS		r _{an}	14	121	94	74	44	40	30	~
28.	TIME BLOCKS (LST)	0800 1200	Ldm								
Jg.	Щ	200	Vdm								
J.	ZI.	-15	De	ای	00	7	/3 /3	00	6	9	0
		300	n	7	8 41 611	84 20 12	/3	-9	39 12	26 12	709
5, 85		õ	Fam	136 7 5	611	84	73	43	39	200	20
t2			-dm								
P L		0400-0800	Vdm								
В		õ–	γQ	N	-9	10	11	7	9	7	0
fric		100	n _Q	9	7	94 17 10	80 16 11	56 10	9	7 4	1 0
S. A		ŏ	F.	138	126 12 6	46	80	5-5	50 9	3,	80
ia,			mb.								
tor		400	Vdm								
Pre		0000-0400	ď	~	7	9	9	7	5	5	0
ion,		000	Ω	0		/3	/3	10	00	2	_
Station Pretoria, S. Africa Lat. 25.85 Long. 28.3E		ŏ	Fam Du De Vdm	140	130	801	94 13	01 /9	5-6	33	20
			Frequency (Mc)	0/3 140	~1 051 130 ·	801 091.	495	2,5,	5	0/	20

 $F_{\alpha m}$ = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{L}}$ = ratio of median to lower decile in db

 $V_{\mbox{dm}}$ = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

			mb-								
29		8	/dm L								
6 (2000-2400	De	7	٤,	12	9	00	17	00	9
1		8	na	7	e	~	00	6	0/	00	~
Sedson Spring (Mar. Apr. May) 19-62		20	Fam Du De Van Lam Fam Du De Vam Lam	155 4	129 6	112 7	8 88	09	55 10 17	8 94	25,26
120			mb_								
₹		1600-2000	V _{dm}								
ar.		-2(De	0	00	7	0/	10	14	1	2
¥)		80	۵	72	2	14	75 23 10	0/ 0/	46 11 14	49 16 12	2
a		91	Fam	155 5	123 13	21 41 501	75,	50	46	64	30 7 7
ürdi			L dm								
Son.		000	Vdm								
Sea	ST)	-	De	7	7	11	~	00	00	7	7
		8	a	12	0 \	0/	ત્ર	=	~	25	6
Lat. 33.9N Long. 6.8W	TIME BLOCKS (LST)	1200-1600	Fam	155 5 4	٥/ حد/	11 01 201	7/ 02 89	38	29 12	34 15 12	7 6 82
6.8) CO		Ldm Ldm								
	E	0800-1200	Vdm								
Lo	N I	-15	00	7	2	2	∞	2	7	0	9
		8	a	7	00	2	11 29	15	29 10	32 14	9 01 82
3.91		ŏ	Fam	151	114 8	00/	62	38	29	2	82
# #			L-dm								
۲		800	Vdm								
		0	DA	7	9	0	9	7	0	2	7
9		0400-0800	na	m	8	6	69 13	9	0	4, 5	25,6
oroc		Ŏ	Fam	15.4	123	6 201	69	53 6	49	4,	15%
×			Ldm								
abat		400	Vdm								
2		0000-0400	De	n	n	2	9	00	0/	9	7
_		00	na	3	10	12	•	00	2	4	~
÷		0	l e	155	/30	2 HI1	98	5-2	5.6	46	157
Station Rabat, Morocco			الخا								
Station			Frequency (Mc)	013	, 051 130 5	160	495-	2.5	10	0/	80

Fam = median value of effective antenna noise in db above ktb

 $D_{\boldsymbol{u}}$ = ratio of upper decile to median in db $D_{\boldsymbol{\mathcal{L}}}$ = ratio of median to lower decile in db

 V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

			Ldr	/3.0	12.0	70.5		
9		400	Vdm	7.5	6.5	5.0		
<u> </u>		-2	DR	9	9	11		
ak		2000-2400	Du	11	14	15,		
A		50	Fam	138	117	86		
, za			L-dm	13.5	12.5	25.		
1		00	V _{dm}	8.0	7.0	0.5		
Maı		1600-2000	DR	6	151	4		
		000	Da	9/	61	30		
g		91	Fam	132	011	80 30 12 5.0 95 98 15 11 5.0 125		
iprir			Ldm	15.0	13.0			
Son		300	Vdm	9.0	7.5	4.5		
Seas	ST)	-16	De	2	14	11		
		1200-1600	٥	17	28	38		
Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W Season Spring (Mar. Apr. May) 1961	TIME BLOCKS (LST)	12	Fam	6 9.0 15.5 133 13 11 9.0 16.0 129 17 11 11.5 18.5 129 17 7 9.0 15.0 132 16 9 80 13.5 138 11 9 75 130	135 107 22 19 75 45 103 26 20 20 145 103 28 14 7.5 130 110 19 15 7.0 455 117 14 9 6.5 120	11.5 79 30 15 5.5 9.5 73 32 13 4.5 80 72 38 11 4.5 80		
93.) CO		-dm	18.5	5.41	8.0		
g.	E E	8	Vdm	11.5	00	4.5		
Lon	MIL	21-	ď	11	20	13		
7		0800-1200	n	17	26	3,2		
18. 71		ő	Fam	129	103	73		
÷.			mb	16.0	25,	9.5		
La		8	\dm P	9.0	75.	2.5		
		ŏ	ρQ	1	61	15,		
Mo		0400-0800	۵	13	22	30		
8		ŏ	T _E	/33	107	79		
nqs			Ë	15.5	3.5.	/.5/		
ren		100	/dm/	7.0 /	12	0.0		
War		0000-0400) JO	e	7	19 13 6.0		
on		8	n		15	61		
Stati		8	Fam Du De Vam Lam	138	117 15 1275	86		
			Frequency (Mc)	. 05-1 138 11	09/.	294.		

Fam = median value of effective antenna noise in db above ktb

Ldm = median deviation of average logarithm in db below mean power $D_{\bm u}$ = ratio of upper decile to median in db $D_{\bm z}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power

	-					-			 	
1		0	+ *		2.	8.0	7.5			
96		400	* th		5.5	4.5	4.0			
		2000-2400	De	3	7	4	7			
B		00	no	12	20	10	10			
A		2	Fam	157 5 3	5 5.0 8.5 140 8 3 5.5 9.5	(2)	66			
Лу			* + + Ldm		8.5	7.5.	9.0			
ıĮ.		00	* * V		5.0	4.5	5.0			
*		1600-2000	DR	2	12	7	12			
*		00	n	W	7	0	7			
Sedson.Summer.(_***IulyAug) 19_61		91	Fam	160 3	6.0 10.0 140 7	95 118 12 10 80 150 112 20 8 90 160 117 9 9 60 110 119 9 7 45 75 122 10 4 45 80	94 17 10 7.0 150 83 20 10 7.0 12.0 89 16 12 6.0 10.5 96 12 12 5.0 9.0 99 10 4 4.0 7.5			
umi			* # F		10.0	17.0	,5.0			
s uo		00	** \		6.0	0	0.0			
eds	(T)	91-	DR	'n	3	0	7			
	(LS	00	Dn	m	1,5	0	16			
N	TIME BLOCKS (LST)	0800-1200 1200-1600	Fam	15-9	4 9.5 15.5 138 5 3	117	89			
3.81	707		* #		'5,5'	6.0	2.0	-		
9	= B	00	** / /dm		9.5	3.0	7.0/			
ono	LIME	-12	De	9	4	00	10			
		00	Do	m	00	80	20			
ZN		08	Fam	154 3	3 9.5 15:5 133 8	۲/۷	83			
. 38			* mp		5:5]	5.0	5.0			
Lat		8	* * / dm/		7.5 1.	7.0 1.	7.0 1.			
		-08) Ø 0	8	~	10	0			
g		00	n _O		6	4	17			
4		0400-0800	am Gill	15-5 4	37	81	46			
चात्			* #		11.0 137	5:	8.0			
rens		0000-0400	/4* 4		6.0 1,	15.5	4.0 8			
War		70-	De	7	p	w .				
on		000	۵	9	00	7	10			
Station Warrensburg, Mo. Lat. 38.7N Long. 93.8W		00	Fam Du De Van Lam	158	142	مد	101			
			Frequency (Mc)	**	142	160 122 12 3	. 495 101 10 3			
				l IV						

 $F_{\alpha m}$ = median value of effective antenna noise in db above ktb D_u = ratio of upper decile to median in db

db dbowe kfb *** No June Data

** No June or July Data

 $V_{dm} = \text{median}$ deviation of average voltage in db below mean power

 $D_{\mathcal{L}}$ = ratio of median to lower decile in db

L_{dm} = median deviation of average logarithm in db below mean power

RN-14

USCOMM-NBS-BL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

			E						
61		0	J C						
6		40	\ Pp						
		-2	DR	9	00	6	=		
· >		2000-2400	na	10	7	16	11 91		
N N		20	Fam	154 10	135-12	114 16	46		
ct.			Ldm						
익		8	Vdm						
ept.		1600-2000	De	9	10	16	13		
S		00	na	10	14	16	20		
Sedson Fall (Sept. Oct. Nov.) 19_61		9	dm Fam Du Dr Vdm Ldm Fom Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm Fam Du Dr Vdm Ldm	153 10	132 14 10	110 16 16	86 20		
Fall			Ldm						
Jon_		200	Vdm						
Seas	ST)	-16	DR	7	8	د/	7		
,	(L.	00	۵	6	16	26	74 21		
M	TIME BLOCKS (LST)	1200-1600	Fam	153	127 16	E1 98 86	74		
3.8) COC		-dm						
<u>6</u>	E	8	Vdm						
P P	Z	0800 - 1200	JO	6	00	9/	1,5		
		8	Da	6	17	25	32		
7N.		80	Fam	151	125 17 8	98 25 16	73 32 5		
. 38			mp-						
La		8	Vdm L						
		0400-0800	D.A.	9	8	الم/	6		
Mo.		8	D _Q	00	14	$\frac{\gamma}{2}$	23		
Station Warrensburg, Mo. Lat. 38, 7N Long. 93.8W		04	ng me	15.2	130 14	د/ دد ده/	80 23		
ngsı			Ę						
rren		9	\dm						
Waj		0000-0400	De	9	00	11	/3		
lon_		8	ρn	0/	13		9/		
Stat		8	Fam Du De Vam	154	135- 13	91 611 091	495- 94 16 13		
							1		
			Frequency (Mc)	. 0/3	1-50	09/	, 49s		
			,						

 $F_{\alpha m} = \text{median value of effective antenna noise in db above ktb} \quad D_u = \text{ratio of upper decile to median in db} \quad D_{\mathcal{L}} = \text{ratio of median to lower decile in db}$

Ldm = median deviation of average logarithm in db below mean power $V_{dm} = \text{median deviation of average voltage in db below mean power}$

22			Ê						<u> </u>
19(00	dm L						
0		2000-2400	100	9	0	7			
व		8	n	9	2	h1 6	11 11		
F		200	J we	153	132	0 //	90		
d			E						
Ja		0	lm Ld						
j		200	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	7	∞	12			
De		1600-2000	D n			0/	7		
		160	_ mc	151 7	128 10	104 10 15	11 21 48		
inter			F.	15/	2	0/	00	-	
Station Warrensburg, Mo. Lat. 38,7N Long. 93.8W Season Winter (Dec. Jan. Feb.) 1961-62		Q	Fam Du De Vamilam						
asor		091	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	- 0		-1~	(5)		
Se	LSJ	10	٥	9	0	1 /	6		
) S	1200-1600	E C	9 1.51	126 10	51 11 15	80		
8 W	TIME BLOCKS (LST)		ΓD	1/2	3	0	00		
93.	BLC	0800-1200	n Ld						
ng.	ME	200	V _{dr}						
Lc	Ē	1-0	70	7	00	2	08		
72		9800	ا ۵	151 4	127 10	56 12 12	80 7		
38.			r _p	15	7	5	8		
at		0	Ldm						
		0400-0800	V _{dn}					 	
		0-0	y O	154 5 5	132 11 6	~	85 12 11		
M		9400	٥	1 5	11		7		
urg,			r _p	157	132	11 /11 /15	S		
qsu		0	Ldm						
9226		940	Vdm						
A) - C	De	1.2	8		-		
ition		0000-0400	ص ر	9	0./	0/ 0//	2		
Stc			Pan	153	134	110	6		
			ncy	013 155 6	. 05/ 134 10	160	495 9, 11 11		
			Frequency (Mc)	0.	. 0		7.		

 $F_{\alpha m} = \text{median value of effective antenna noise in db above ktb} \\ D_{u} = \text{ratio of upper decile to median in db} \\ D_{\mathcal{L}} = \text{ratio of median to lower decile in db}$

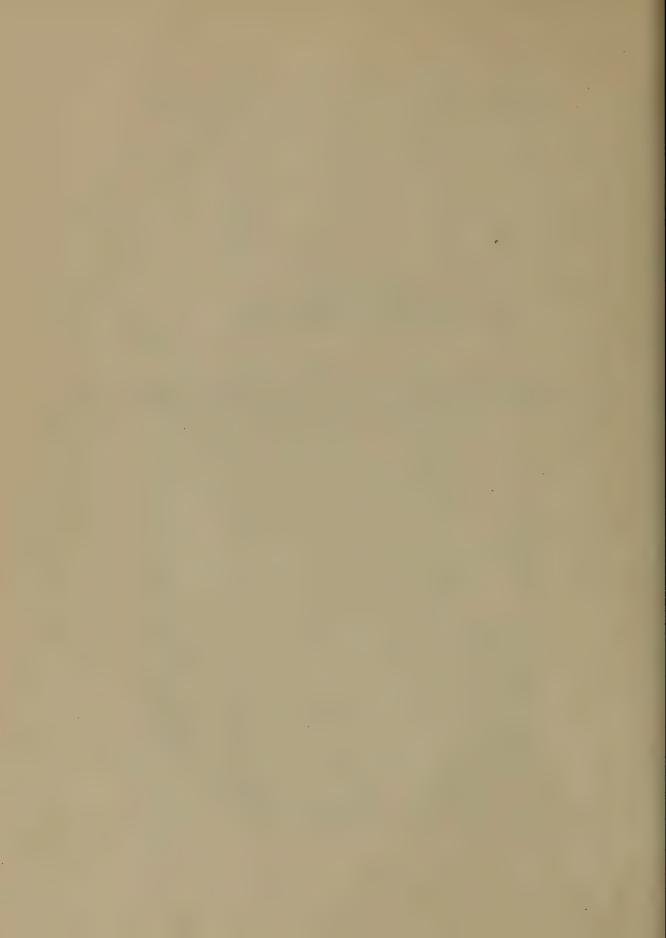
Ldm = median deviation of average logarithm in db below mean power V_{dm} = median deviation of average voltage in db below mean power

RN-14

USCOMM-NBS-BL

Corrigendum for Technical Notes 18-1 through 18-11

The following corrected values should be used in place of the originally published values in Technical Notes 18-1 through 18-11.



Corrections to seasonal time block values of radio noise published in NBS Technical Note No. 18-1

Ld Published Should be	
V _d Published Should be	
Fam Should be	12.3 10.7 8.8 8.8 8.4 1.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0
Published	115 116 116 116 126 136 141 141 141 141 141 141 141 14
Freq. Mc/s	
Time	12-16 04-08 16-20 20-24 08-12 16-20 08-12 11-16 16-20 04-08 12-16 16-20 08-12 16-20 08-12 16-20 08-12 16-20 08-12 16-20 08-12 16-20 08-12 16-20 08-12 16-20 08-12 16-20 08-12 16-20 08-12 16-20 08-12 16-20 08-12 16-20 08-12 16-20 08-12 16-20 08-12 16-20
Season	Summer Fall Fall Winter Winter Winter Winter Spring Fall Fall Fall Fall Fall Fall Fall Fal
Year	1957 1957 1957 1957 1957 1958 1958 1958 1958 1958 1958 1958 1958
Station	Bill Boulder Boulder Front Royal Balboa Bill Front Royal Pretoria Cook Cook Cook Enkoping Ibadan Pretoria Rabat Boulder Enkoping Ibadan

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Should be

Published																						
V _d Published Should be															,							
Fam d Should be	90 92 92	E 18-2	83 43 116	E 18-3	28	84.	30	74	74	74	31	18-4	09	100	31	33	46	09	. 44	89	118	41
Published	98 63 67	TECHNICAL NOTE 18-2	69 45 118	TECHNICAL NOTE 18-	35	87	27	29	92	92	41	TECHNICAL NOTE 18-4	70	92	. 17	31	. 29	54	46	92	128	39
Freq. Mc/s	.160	TEC	.545 5.0 .160	TEC	20.0	. 500	5,0	. 545	. 545	. 545	10.0	TECHI	5.0	. 246	20.0	2.5	2,5	2,5	5.0	. 545	. 051	2.5
Time	16-20 00-04 08-12		00-04 12-16 12-16		20-24	16-20	08-12	16-20	04-08	08-12	08-12		00-04	08-12	16-20	08-12	12-16	20-24	04-08	16-20	00-04	12-16
Season	Winter Winter Winter		Spring Spring Spring		Summer	Summer	Summer	Summer	Summer	Summer	Summer		Fall	Fall	Fall	Fall	Fall	Fall	Spring	Spring	Fall	Fall
Year	1958-59 1958-59 1958-59		1959 1959 1959		1959	1959 1959	1959	1959	1959	1959	1959		1959	1959	1959	1959	1959	1959	1959	1959	1959	1959
Station	Ohira Rabat Singapore		Cook Ibadan Singapore		Bill	Front Royal Ohira	Ohira	Ohira	Rabat	Rabat	Rabat		Balboa	Balboa	Balboa	Bill	Boulder	Boulder	Cook	Cook	Enkoping	Enkoping

Blank 6.0

.051

16-20

Summer Summer

1959-60

Singapore

Pretoria

Should be Published Blank 6.0 Should be Blank 3,5 Published Blank 3.5 Fam Should be Blank 143 112 99 32 48 77 76 100 52 52 136 51 99 TECHNICAL NOTE 18-5 Published 146 124 92 54 36 Blank 66 79 70 102 55 51 114 49 61 58 Freq. Mc/s . 013 . 051 . 051 5. 0 2. 5 . 246 . 266 . 5.0 10.0 10.0 5.0 Time 16-20 04-08 20-24 20-24 04-08 20-24 16-20 00-04 16-20 20-24 20-24 12-16 16-20 16-20 08-12 08-12 12-16 08-12 12-16 08-12 12-16 08-12 Season Winter Spring Fall Winter Winter Winter Winter Spring Fall Fall 1959-60 09-6561 1959-60 09-6561 09-6561 09-6561 1959-60 09-6561 09-6561 1959-60 1959-60 09-6561 1959-60 1959-60 Year 1959 1959 1959 1959 1959 Enkoping Enkoping Enkoping Enkoping Enkoping Enkoping Enkoping Enkoping Enkoping Pretoria Sao Jose Pretoria Boulder Boulder Boulder Kekaha Kekaha Kekaha Station Rabat Ohira Ohira

18-4 (continued)

TECHNICAL NOTE 18-6

Should be		
L _d Published		
Vd Should be		•
Published		
Should be	84 75. Blank 65 62 62 19 34 66 49 48 84 162 98	46 24 120 32 106 52
Fam Published S	6 64 65 65 65 65 65 65 65 65 65 65 65 65 65	41 27 122 35 112 62 113
Freq. Mc/s	.160 .160 .246 .246 .246 5.0 10.0 2.5 5.0 2.5 5.0 .246 .013	10.0 20.0 .160 2.5 .135 2.5 2.5
Time	08-12 08-12 08-12 12-16 00-04 20-24 12-16 16-20 20-24 16-20 20-24 04-08 08-12	16-20 08-12 12-16 08-12 04-08 04-08
Season	Spring Fall Spring Spring Spring Spring Spring Spring Spring Spring Fall Fall Spring Fall Spring	Summer Summer Summer Summer Summer Winter
Year	1960 1960 1960 1960 1960 1960 1960 1960	1960 1960 1960 1960 1960 1960
Station	Boulder Cook Enkoping Enkoping Front Royal Front Royal Kekaha Ohira Ohira Pretoria Pretoria Rabat Rabat Rabat Sao Jose Singapore	Bill Boulder Boulder Enkoping Front Royal Front Royal Sao Jose

TECHNICAL NOTE 18-8

						~															
Should be																					
Published																					
Vd Should be	e, ro							4.0													
Published	0.8							8.0													
Fam sd Should be	155 31 52 58 95 34	E 18-9	130	56 46	147	06	127		48	40	44		E 18-10	63	66	09	65	95	81	44	44
February Feb	158 22 26 56 54 90 39	TECHNICAL NOTE 18-9	120	60	150	84	118		38	43	50	ld be . 013.	TECHNICAL NOTE 18-10	99	06	70	29	86	42	40	41
Freq. Mc/s	2.5 .013 2.5 .495 2.5 .545	TEC	. 051	2,5	. 013	. 545	. 113	, 545	2.5	2.5	10.0	Winter - Frequency $.031$ should be $.013$	TEC	5, 0	,135	. 500	5.0	.160	. 246	5,0	10.0
Time	08-12 12-16 08-12 12-16 16-20 00-04 08-12		00-04	04-08	16-20	16-20	20-24	12-16	04-08	12-16	16-20	Frequency		00-04	04-08	08-12	20-24	04-08	04-08	04-08	16-20
Season	Spring Spring Fall Fall Summer Fall		Winter	Winter	Winter	Summer	Summer	Fall	Winter	Spring	Spring	Winter -		Spring	Spring	Spring	Spring	Spring	Summer	Summer	Summer
Year	1960 1960 1960 1960 1960 1960		1960-61	1960-61	1960-61	1959	1959	1960	1960-61	1960	1960	1960-61		1961	1961	1961	1961	1961	19-0961	1960-61	1960-61
Station	Cook Cook Enkoping Kekaha New Delhi Singapore		Balboa	Balboa	Enkoning	Ibadan	Ibadan	New Delhi	Ohira	Pretoria	Pretoria	Balboa		Front Royal	Front Royal	Front Royal	Front Royal	Kekaha	Pretoria	Pretoria	Pretoria

18-10 (continued)

Ld Published Should be												
V _d Published Should be												
Should be	30	18-11	23	151	40	87	22	62	09	78	35	39
Fam Published Should be	28 136 1 be . 545.	TECHNICAL NOTE 18-11	19	143	43	75	28	57	70	72	53	42
Freq. Mc/s	Fall 08-12 5.0 28 Spring 00-04 .051 136 Spring - Frequency .495 should be .545.	TECH	20.0	16-20 .013	5.0	. 545	20.0	2.5	5.0	. 545	20.0	5.0
Time	08-12 00-04 requency		00-04	16-20	12-16	20-24	08-12	00-04	00-04	04-08	16-20	12-16
Season	Fall Spring Spring - F		Summer	Winter	Summer	Summer	Winter	Summer	Summer	Summer	Summer	Summer
Year	1961 1961 1961		1961	1961	1961	1961	1961	1960-61	1960-61	1960-61	1960-61	1961
Station	Pretoria Rabat Ohira		Boulder	Cook	Front Royal	Ohira	Pretoria	Sao Jose	Sao Jose	Sao Jose	Sao Jose	Singapore

Mont
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Canal Zone
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Balboa
Station

MONTH-HOUR VALUES OF RADIO NOISE

h January 1958

	20	D& Vam Lam														-										
		Fam Du	32	30	30	30	30,	30	30	32	30	ر م	0 %	30	30	لدي	31	32	32	33	32	3	32	رک	30	3,
		Vdm Ldm																								
	0	D& Vdn																		٦,		7				
	1(n _Q																		7		7				
		m Fam	47	*38	17	36	* 6	3.6	X 6	*~	*2°	*	* %	* 10	16	*-	16	9*	77	39	1,	40	47	3,4	* 7	70
		Vdm Ldm																								
	īζ.	Za																		00		2		9		
		Fam Du	4	34	7	2.5	, ς	× 56	427	0	*5	90	*~	9	9	~	9	Q	0	46 6	1,	4 9	8-5	56 4	4,5	7
		Ldm F	34	*~	* 5° 5	*7	*,7	*,⊲	*2	* >	*^	* 1	*~	*8	*~	*6	2+	*,	t*	7	* 5.4	,5	*~)	5	* '~	* 7
		Vdm Ldm																								
(5)	2.5	Z _Q n _Q																		5 3		5 3		5 3		
(Mc)		Fam	09	200	×2	ē.ţ	4-5	c*	* 75	5-8	* · · · · · · · · · · · · · · · · · · ·	2-5	*19	24	-	2-8	20	45	* 5_5	3-8	4		42	10	29	0
Frequency		m Ldm																								
Freq	545	D& Vdm																			8					
		٥																			7					
		m	* 22	*6	*2.	\$	*	8 **	e/*	\$ 9	t 2	7-5	7-5	15.5	3-6	0	66	e +	*72	*0	88	400	40	92	48	492
		DA Vem Lem																								-
	246																		6		0/		10			
		Fam Du	to/	40/	401	100	* /03	*99	* 8	4	\$4	* 00 #	28	*73	*	78	*	78	90 12	*	100 5	75	ton y	\$ x x	to/	93
			*	* \	*	*	* \	*	* ~	*0,	, 3	*-0	*, ,	*	*	*	* 0	* ~		* ~		*		+	*	*
	3	De Vam Lam																	<u>~</u>							
	. 113	o no																	8 13		2		8 4			
		Fam	*1	114	1.6	+ (1)	116	404	¥ 103	* 10 t	20 *	*2	* &	*&	40	110	100/	86*	901	401	(03	0//	hII	111	t//	*
		Vdm Ldm																								
	051	P ₂ 7′0																	12		9		00		7	
	•	no '		2		0			2	~			~	0				2	65		5	_	7	,	9	
US	اد (٦)	noH	00 1/30	01 730	02 732	03 128	04 /3/	05 30	06 /30	07 /22	/// * 80	ولا (60	10 1/3	1/20	12 /20	3 1/23	14 726	15/28	16 /2	17 4 118	18 128	19 47	20 128	21 /28	22 28	23 730

 F_{qm} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

* This sheet is a correction for corresponding sheet appearing in Tech. Note 18.

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USCOMENES-PL

MONTH-HOUR VALUES OF RADIO NOISE

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	2,5 5 10 20	Dr Vam Lam Fam Du Dr Vam Lam	8 7.0 130 60 6 2 4.0 80 48 4 4 7.0 11.0 29 4 5 3.0 5.5	6 6.5 130 60 6 2 6.0 105 48 2 3 5.0 10.0 26 4 1 2.0 3.5	4 65/35 62 4 5 5.5 90 46 4 4 5.5 8.5 25 4 1 1.0 3.0	6 6.0 12.0 60 4 4 5,5 100 94 6 5 6.0 9.0 25 2 2 1.0 25	5- 4.0 13.5 60 4 4 6.0 10.0 44 8 6 5.0 8.0 25 2 2 1.0 2.5	4 7.0 15.0 60 4 4 5.5 100 42 4 6 5.0 9.0 25 2 2 10 2.5	5 9.0 155 57 4 4 5.0 9.4 4 4 4 4 40 8.0 27 4 2 2.0 3.5	12 100,00 46 8 6 80 125 40 6 4 50 9,0 28 3 3 3.0 4.5	7	10 7.0 11.0 30 10 10 \$.0 \$.0 10 10 \$.0 \$30 5.0	6 50 80 26 10 4 60 9,0 26 8 85 430	4 15 100 24 8 4 80 10 24 7 8 50 9.0 25 4 3 3.0 50	4 3.5 50 22 8 2 2.5 4,0 24 8 8 6.0 9.0 27 4 4 3.5 6.0	4 5.0 8.0 2412 4 8.0 too 27 9 7 6.0 100 27 4 2 4.0 6.5	6 4.5	5-6.5/0.0 33 13 7 5.5 9.5 35 6 6 6.5 11.0 31 3 5 3.5 5.5	7 \$ 5 \$ 5 \$ 38 8 8 55 9.0 40 6 8 5.0 85 31 4 3 3.0 5.5	5 45 80 47 5 4 50 9,0 46 4 4 45 20 31 4 2 30 50	4 5.5 100 56 4 2 6,0 100 48 4 2 5.0 8.5 31 4 2 3.0 5.0	5 55 100 60 4 2 to too 48 5 3 50 85 31 3 4 3.0 5.0	60 4 3	6 5.5 11.0 62 5 6 #10 7.0 46 4 2 5.0 8.5 27 5 2 35 5.0	5 6.5 115 60 6 4 to 100 48 6 4 6.0 9.0 27 6 2 30 5.0	4 70 130 60 5 4 40 75 46 6 1 5.0 90 29 2 4 30 5.0	
Frequency (Mc)	, 2	n Fam Du De Vam Lam Fam Du		4 69 4	676	69 5-	69 4	69 3	0 62 9	5 47 (3	39 /5	33 /7	31 16	11 60	27 10	2918	31 26	30 27	35 15	0/ 47 10	53 8	63 6	, 63 6	0 63 6	0 63 6	0 63 8	
	.051	Du Dr Vam Lam Fam Du	6 4 6.0 11.0 11.7 7 3 9.0 16.0	6 4 11.017.0 118 10 4 8.0 13.5	10 4 8.0 145 118 12 6 6.0 11.5	9	10 2 \$6.0 12.0 116 12 4 \$5.0 5.0	8 2 8.5 15.5 116 7.5 7.5	10 4 40 155 110 16 18 73.5 #30		12.0 20.0 106 10.0 19.5	1.5 19.0 10.0 10.0 19.0	10.0 17.5 102 8.0 15.5	10 8 10.0 18.0 103 13 11 11.0 19.5	8 6 10.0 18.0 104 12 14 80 15.0	6 8 *8.0 13.5 106 22 12 8.0 14.0	9 6 80 14.0 107 23 7 8.0 13.0	8 4 7.5 12.0 107 21 7 10.0 16.5	7 00	11 4	9 4 80 140 112 8 8 70 140	6 8 9.0 13.5 118 4 6 7.0 13.0	6 2 7.0 12.0 118 6 6 6.5 10.0	6 4 7.0 12.0 118 7 4 5.0 10.0	2	9 8 2 7.0 125/118 8 6 5.0 11.0	Fan a median volue of effective antenna noise in dhi above 14th
	,013	Fam Du DA Vam Lam Fam	162 3 3 10.015.5 139	01 12 3 5 40 14.0 139		163 6 4 9.5 15.0 141	04/63 6 4 4.0 4.0 139	163 6 2 4.5 14.5 139	06 163 6 0 7.0 14.0 133	161 10.5 15.0 131	08/61 8 4 4.5 14.5 130	16, 70.0 15.0 128	161 9.5 15.5 131	160 7 3 11.0 16.0 131	162 5 3 9.0 15.0 133	163 6 2 9.0 15.0 137	14/165 6 4 8.0 13.0 137	165 6 2 7.5 12.0 137	165 2 2 7.5 12.0 137	165 4 4 9.0 13.0 133	161 6 2 9.5 14.5 133	1631 4 4 9.0 14,0 139	161 4 2 9.0 13.5 137	161 4 4 8.0 13.5 139	22 163 4 4 8.5 13.5 137	23 161 4 2 10.0 14.0 137	- = median value of effective of

 F_{Gm} = median value of effective antenna noise in db above k+b D_u = ratio of upper declie to median in db $D_{\mathcal R}$ = ratio of median to lower declie in db

USCOMELMBS-PL

 V_{dm}^{-} median deviation of average voltage in db below mean power L $_{dm}^{-}$ median deviation of average logarithm in db below mean power

^{*} This sheet is a correction for corresponding sheet appearing in Tech. Note 18-6.

Balboa, Canal Zone	
Station Balboa	
NOISE	
RADIO	
VALUES OF	

			Vdm Ldr	2,5	4.0	4.0	3.5	2,5	3.6	4.0	5.6	3.5	6.6	13	6.6	13	رْخَ	1.5	15	5.2	ė	5,5	ارز	5.5
09			Vdm	3.0	8.0	2.0	0.0	2.0	0.0	2,0 4.0	3.0	2.5 5.6	3.5 6.0	3,0	3.5	3.5	9	3.0	2.5	3.0	3.5	3.0	3.0 5.5	3.0 5.
6			7 0	m	76	7	γ	7	8	4	7	7	7	3	~	7	7	7	~	7	7	12	9	78
		20	D.u.	9	00	6	6	>0	9	7	7	5	7	4	00	9/	7	10	9	9	7	3	7	9
April				27	25	27	25	25	150	27	7500	ريا	73	,33	.ځ	750	47	39	44	40	49	49	0	
V			Vdm Ldm Fam	9.0	0 %	9.0	7.5				7.0	25 13.0 25		<i>e</i>	<i>o</i>		12.0	12.0		6.5.0	7.0	8.5	8.0 29	80 27
‡			m La		4.51	_	4.0 7.	6.0 10.0	5.0 9.0	5.0 9.0	6.0 10.5	5,	8.0 13.0	6.0 10.0	0.61 0.9	6.5 10.5	7.0 12	6.5 12	5- 10.0	5.	_		15.7	4.0 8
Month			D. Vd	5.0		1 5.0								_					5.5	5.5	3.5	4.5		
		10		7	7)	7	5	7	\sim	3	5	و	9	10	10	00	20	7	9	7	76	4	4	4
5 W			n _O	7	7	9	9	3	7	7	9	9	9	7	200	00/	18	5	73	7	1	7	4	7
79.5			Fam	84	84	46	46	46	6.0 11.0 44	6.0 11.0 44	8.0 15.5 41	18 8.0 16.0 38	12 9.0 15.5 34	3/	20	16.0 30	10.0 34	37	10.01	3	44	8.5 48	<i>%</i>	40 75 48
			Vdm Ldm	0.0	0.01	11.0	71.0	9.0	11.0	11.0	15.5	16.0	15.5	5.0 12.5	8.0		10.0	13.0	_	12.0	9.0		20	7.5
Long.				4.0	2,0	5.5	5.5	45	6.0	6.0	8.3	8.0	9.0	5.0	5.0	1/.0	18.5	7.5	6.0	7.0	5.0	4.5	4.0	4.0
		2	Za	6	20	30	9	20	6	01	13	18	~	14	10	=	2	17	00	6	17	7	¥	76
9.0 N			na	78	4	5	5	12	4	7	-	10	00	14	10	31	32	25	33	18	15	20	9	9
Lat. 9			Fam	79	62	62	70	62	62	5-6	84	01 /10	20	33	30	3/	34	41	36	43	86	56	60	00
			Vdm Ldm	130	10.5	5.0/0.5 62	14.0	6.5 13.0 62	/3.D	4.5 17.0 56	13 11.5 14.0 48 11	4.0 17.5		9.5 20.0	5.0	0.0/	011		14.0	13.0	8/ 5/11/5/9	10.0	6.5 14.0 60	5.0 10.5 60
Zone			mp/	6.0	5.0	5.0	6.0 14.0	7	6,0 13.0	1.5.	1.5	9.0	8.0 16.5	7.5	4.5	6.5	7.0		0.0/	7.5	-2.5	4.5 10.0	12	5.0
11 Ze		5	\ 7 _Q	9	و	0	2	8	28	15.	13/	17	26	77	7/	11 6	5	8/	16	76	14	7	7	7
Station Balboa, Canal	(Mc)	2.	Du	12	20	10	5	7	7	2	11		00	0/	00	50	34	38	0 ~ 0	38	X,	14	Ox.	20
a, 0	3		Fam	67	2	67 /	50	11	11	'n		43 14.025. U.S.C. 14	1.5	=	340	36	14		43.			_	١٣.	15
1100	S		F F	_	11.5 67	14.0	15.5 69	12		13.5 26.5 63	52 S.44.0.01 02	3	3,0	74 120 255 47	5/12	0,10	4/5/12	12.0 14.0 47		10.0 0.05 47	10.5 185 44	7.0 13.0 53	7.5 130 63	6,0 12.5 65
B	Frequency		Vdm Ldm	7.5- 14.5	7.0 11	7.5 14	8.0 15	7.0 17.5	71.5 Dus	7	0	0.	11.0 23.0	0			5	0 14	10.0/	0	.5.	0 /3	5 /3	70
rioiti	req		7 7 d					7.		/3	10	3 /4		4 /2	23 11.0	16 135	17 11.0							
Sto	LL	495		9	0	2	7	7	21	7			26		ناست			117	2	14	7/	00	> ∞	9
		·	ص ھ	2	14	7	0/0	2	ص ص	10	2	4 7	00	42 14	42 17	207	125	7	8/	18	6 15	\c	20	7
tel.		_	Fam	100	36	100	100	4.0 17.5 102	100	0 0	701	66 2	34			44	14	945	7 6	346	1,0	96	78	4.0 11.5 gk
SI			Ldm	12.0	14.0	73.57	17.5	17,5	10.01	3	14.0 23.5	13.5 23.5	11.0 14.5	13.0 24.0	13.0 24.0	75,6	7	12.0 x0.0	0.61	14.0	10.5 18.0	4.0 16.0	7.5 13.5	11.5
NOISE			DZ Vdm Ldm	2.0	20	7.5	7.0	4.0	10.0	19 135 des 100		13.5	17.0			15-14.0 250	15 13.0 DAS	12.0	011	0.//	70.5	4.0	7,5	
		160	70	28	7	-9	2	5	14	13	18	5/	11	18	16	15/	15	14	2	6	. 00	∞	1	12
D			D.C.	2	1	13	7	20	5	2	90	0/	10	7	7	18	16	18	18	/5 -	41	10	8	2
2			De Vam Lam Fam	8.0 14.0 123	Ex1 2011 2.9	TO	11.0 19.0 123	4.5 15.0 124	11.0 20.5 123	11.0 18.0 140 11 10 11.0 so.0 121	10.5 20.0 [A1	611	8 10 11.5 20.0 117	10 145 235 115 12	6 12.0 19.0 115 12	8 11.5 das 116	11.5/19.0 119	10.5 17.0 119	9.5 16.0 119	9.5-150 118	7 9.5 17.5 117	11.0 19.0 117 10	16/ SH/ S.8 4	8.0 135 121
H			Ldm	14.0	165	15,0 12,1	19.0	15.0	>0.5	20.0	20.0	24.5	0.00	73.5	19.0	20.5	19.0	17.0	16.0	150	17.5	19.0	5/11	135
			Vdm	8.0	5:5	8.5	17.0	8.5	0'//	11.0	10.5	0.4	11.5	45	13.0	11.5	11.5	70.5	9.5	9.5	9.5	0.11	8.5	8.0
ES		051	70	2	9	6	7	9	7	10	20	13	10	10/	9	00	9	9	9	9	2	9	4	1,2
7		0	Du	15	6		6		6	//	70	10	00	7	0/	~	14	14	7	0/	2	9		
\$			Fam	_	43	10.5 17.5 144 10	hh	hh		00	11.0 18.0 138 12	0 %	38	11.0 17.0 138 4	11.0 17.0 136 10	14.0 215 140 12	PI 041 2.51 0.01	4.0 11.0 142 14	10.5 17.0 142 14	9.0 14.0 14x 10	41	40	0 10	9.0 Mil 142 7
r			E E	11.0 18.5 143	8.0	15-11	11.5 18.5 144	0.0	1.0 1	10.	0.	151	12.0 000 138	1,0/	0	15/	1,5,1	0.0	7.0 /	,0,	0:0	4.0 15.0 140	10:0	10/
2			dm L	8/ 0.	S.	1/2	5 18	יני סיי	2.0 19	16	8/ 6:	0.0	0.0	0/1	0 17	, o .	0.	0.	.5	410'	5, 78	18	1/5	0.
Ŧ		~~	D& Vdm Ldm	4 11	6 10.5 18.0 143	5 10	5 11.	01 441 0.000 0.51 3	6 12.0 14.0 144	5 11	11 4	4 12.0 18.5 140 10 13 14.0 245 119	4 13	4 11	6 11.	6 14	d 4		4 10	7	2 9.5 15.0 141 13	7	4 4,0 15.0 140 9	6
Ė		013		7	7	10 3	9 8	9 6	9 6	9 8	9 4	8	8 4	=	6 6	7 9	6	7 8	6	9	, 0/	4 4		7 6
MONTH-HOUR VALUES OF RADIO			Fam Du	162				12				2		5 9		165 6	165		167	167	165/	165 4	19 164 6	
MO	(TS	-7)	uoH r _s	2 00	01 /3	02 164	03 /64	04 /65	05 165	b9/ 90	07 /63	08 ///3	69/163	79/01	1/63	2 /6	3 16	14 167	15 /6	7/ 91	7/ 21	18 //	2/	20 164
	(12	1/ 4	-,-UH	O	0	0	0	0	Ö	0	0	Õ	O		_	-		-	<u> </u>	-	-	=	=	N

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 F_{am} = median value of effective antenna noise in db above ktb

 $D_{u} = ratio \ of \ upper \ decile \ to \ median \ in \ db$ $D_{\mathcal{R}} = ratio \ of \ median \ to \ lower \ decile \ in \ db$

Ldm = median deviation of average logarithm in db below mean power V_{dm}= median deviation of average voltage in db below mean power

* This sheet is a correction for corresponding sheet appearing in Tech. Note 18-6.

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Color Colo			\ \ \ \ \ \ \ \	* 3	5,	3	~ ¥	2	# 4 J	42	23	F , J	2.2	2,2	4	16.9	4.3	ند يا	1,	3	7	S	1	7.		1.1	÷.
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Cold				-										٠٠,٠	_				1	7	~	-			-		
Color Colo		-		-		4			=	1		~	_	-			~	`	~	37,		35			-		
Color Colo			Lg4	+ 00	4.0		7.5	* 7.		+ ?	* 'x.	+ 2×	14	13.	4 (5	4:	+ =		1.7	``	٧.	.:	ود	(;	<->,	, c	1.0
1013 1.0			mp/	4 7	4.6	4.5.	5.6	7.5.	3.5	3.5	ti.	1	10.0	11.6	4.0	44	14.0	100	2.0	14.5	4.0	2	-5	1	1 1	5.5	3.0
Frequency (MC)			De		7											جد			:5		7		4	4	-4		
Frequency (MC)		10	n	7	7		~	0	7	7	~)c	E.	A.		10	7		Ş	1	4		7	7	+	~	۲.
Frequency Mean			ì				-	1_			_			1	-				1	. '		_	,-		-	7	
Cold Cold Vamiliani Fam Du Cold Vamiliani Fam Cold Vamiliani Familiani F		-			=		≡	\equiv	==	2		اد_			2)	2	==	7		10	40		-				
Color Colo			- L		_			=		_					+3		+ 7	+0:	+0%			*			* 5	* ,	_
Cold			/dr	* 50	4.0	5.0	5.0	5.0	* 7.	tr.	2,5	* 0./	13,0	10.0/	12.5	14.0	13.5	* 5.5	¥ 10.0	100	*V.	5.0	13	1.0		7. C.	
Cold		100	0	1	~	n	4	4		7	e	01	14		15	13	44	00		Ġ	4	7	2	ત	1.5	1	√,
Cold		41		7	7	3	~	7	7	-5	e	2	10	14	2.4	44	14	17	81	11	Se	27	3	7	76	2	7
Cold			E	6.3	3	ho	15	63	53	5.7	1.5	17	13	38		_	=		5.5	53	150	19	63	50	10	20	7
Fem Du Dz Vammand Fam Du Dz Vamman Fam Dz			Ę		=	_		=	=	1,5							-2:		==					=	-		
Fem Du Dz Vammand Fam Du Dz Vadm Lann Fam Pu Zz Vaz Vaz Vaz Vaz Vaz Vaz Vaz Vaz Vaz Va			E				_					1 × 12	+7		12		7 6	+.5.	ر. بر بر	12/2	5. 1.						
5013 5014				1	_		5.5	5.5	ė	40						=			_					5.			10
Frequency - 013 - 014 - 015			Ž,	2	~	,5	9	7	7	•	10	17	76			مر	==		7	18	=	20	و.	7	2	2	7.
Frequency - 013 - 014 - 015	S	2		7	15	7	જ	7	7	9	7/		14	44	20	17	_		10	4	-	7	7	7	٦	7	2
Fraguency - 013 - 051 - 051 - 051 - 051 - 051 - 052 - 050 - 052 - 050 - 052 - 050 - 052 - 050 - 052 - 050			Fam	72	2	73	74	72	2	64		5.5		hh	5.0	85	89	65	49	40		64	10	70	70	30	6%
1013 1014 1015	ြင့်			4.0	4.5	1.0	3.0	175	1.0	-6.	کر عال		4.0	30.0	30.0	29.0	27.0	0,5	30.0	13.0	2,5	8.5	4.0	4.0	3.0	4.0	1.0
1013 1014 1015	ane			,v			==			0:3			6.0	0.0	7.0 ,	6.9	5.0	150			6.3		=		0		o.
-013 -013 -013 -013 -013 -014 -015 Vam Land Fam Du Dz Vam Land Fam La	l e	2	76									0		0		0 14				7 14				- 0			
1013 100	-	.49		7									=					==	_	~	_		"				
5013 5013 6m Du De Vammant Fam Du De Vam Lam Part De Vam Lam Part De Vam Lam Part De Vam Lam Du De Vam Lam Part De Vam Lam Du De Vam De V			_	30					_		=		==	=			_	1 10					20				3
- 013 - 013 - 013 - 013 - 013 - 051 - 044 - 050					_		=			99	99			==	(2)		=	10	3								
- 013 - 013 - 013 - 013 - 013 - 051 - 044 - 050			Ldm	17.0	13.5	13.	12.0	13.0	21.0	0.60		30.0	730.0	130.0	30,95	29.5	28.0	23.0	3.5.	2.0	10.0	19.0	14.9	145	11.0	15:01	20
- 013 - 013 - 013 - 013 - 013 - 051 - 044 - 050			*up/	0.9		5.0	6.5		1.0	7.0		18.5	19.0	19.0	18.5	15.0	0.4.0	15	14.0	1.5	14.0	19.0	2.0	2.0	5.0	11.0	3.0
1013 10 10 10 10 10 10 1		00	70				+				00		=						-		1	-	e-	7	_		
1013 10 10 10 10 10 10 1		. 16	_	7	2	1,5	00	00	0	00	-	_	=										9	7	76	7	e
1013 10 10 10 10 10 10 1			n me			_		_	\rightarrow		_					57		311				3					
- 013 - 013 - 013 - 013 - 013 - 013 - 013 - 014 - 010			¥€			_			0	0/0	0/1	1/5	9/ 0:	_	1/2	12	0	,0			0	0 10		0/0	1/0		1/5
1013 10 10 10 10 10 10 1			*c	0 17.	15,	17.	17.3	14.	ė	Sex C	26.	2,5	7	34	34.	2 25.	570	35	90	19	100	Ž	18	16.	519	0 18.	1/8
- 013 - 013 - 013 - 013 - 013 - 013 - 013 - 0			Vdr	10.0	00	9.6	9.5		0.0	14.0	17.0			15.0	13.6	15.6			11.0	10.5	13.	13.0	9.5	8.0	10.5	10.	
10 04 148 8 170 148 8 170 148 8 170 148 8 170 148 8 170 148 8 170 148 8 170 148 8 170 149 170 149 170 149 170 149 170 149 170 149 170		51	70	7	78	7	9	1,0	4	7	00	9/	0/	00		01	0 /	00	7	00	7	00	7	7	12	1	
1013 5 10 10 10 10 10 10 10		0.		00	9	00	9	7	01	01	00	00	00	01	15	1		8	5	00	- 3	e	+		7	e	
Fam . 0133 [68 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			Fam	841	18	84	150	641	146	44	44	hhi	441	147	74	841	150	05.	84.	841	441	1	144	hhl	147	941	148
Fam . 0133 [68 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			*=	9.0	8.0	9.0.	0.0	3.5	0.	15	0,	0.0	0.0	0.0	1.5.	15.	1.0	3.0	1.0	6.0	6.0.	5.8	4.0	8.0	9.0	0.0	10.5
Fam . 0133 [68 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			*m	1/0	0 /8	10	0/	51 0	8/0.	5-18	87 0.8	8	3	٥.	7	12	3.0	,v.	0	0.	5/	1,5	10	15	1.0	2000	15/2
To by the series of the series			> >			-			1	_		- 1		_						_	-			0/0		10	2
10 12 12 12 12 12 12 12 12 12 12 12 12 12		013	_				7		8	7					\rightarrow			-		-			-	-			
(LST) 10 H OO 10 CO 00 00 00 00 00 00 00 00 00 00 00 00 00																					- 1			_			7
(LST) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			Tam.		169	170		170	168	168	168	168			791	-	- 4		_		170	\rightarrow	168		168	17	170
	(10	ا (٦	noH	8	0	02	03	04	05	90	07	90	60	0	=	12	-3	4	15	9	17	8	6	20	2	22	23

 F_{Gm} = median value of effective anienna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{R}}$ = ratio of median to lower decile in db V_{Gm} = median deviation of average voltage in db below mean power L_{Gm} = median deviation of overage logarithm in db below mean power

* This sheet is a correction for corresponding sheet appearing in Tech, Note 18-6.

18-commence

RN-13

MONTH-HOUR VALUES OF RADIO NOISE

		_		ec.				1 -		_			1.0	-		1		1.	4.		10	l.		ار		12
		mp_u	6.0	5.5	15.0	* %	* ~	15.5	5.0	15.0	* 13	6.5	4.5	ر ا الم	* 6.0	* 5.5	90	* 12	7.0	0.9 0	* 14	4.5	5.0	_	0.50	5.5
		mp/	4.0	75	3.5	+ ~	* 4	4.0	3.0	3.0	* °°	3.5	* ~	3.7	* 2/2	*2.	6.0	* 5.	به لخ	4.6	* 3	3.0	3.0	3.5	3.0	7.5
	2.0	70	٨	W	4	7	7	7	7	γ	Υ	~	7	7	7	7	~	17	7.	7	Υ	7	Μ	n	m	7
		٦	7	7	لم 	10	6	6	5	7	~	00	5	9/	27	3/	1/2	7	OC.	3	þ	~	-9	۳	7	17
		Fam	32	30	24	38	26	36	76	94	7	26	77	97	20	30	3,	ನ	2	32	36	30	30	30	30	30
		Ldm	6.5	9.9	7.5	7 °C	14.0	* %	0.4	11.0	*:	14.0	* 1/3	17.0	17.0	* 74	16.0	11.0	15.01	7.0	2,5	7.0	55	7.0	5.9	0.9
		Vdm	4, C	4.0	رزا	ب ن *	*~¿	* 5.0	5.0	7.5	* 0%	12.00	* ° °	*00	7.0	10.0	*6.	*.5	5.0	4.0	4.0	4.0	3.5	4.5	7.0	37
		γo	ħ	ત	17	т	9	15	ィ	77	7	9	00	7	9	00	7	7	12	ぴ	7	~	7	~	1	7
	Ē	ng	γ	4	ત	n	r	3	29	4	~9	2	2	~	2	14	13	14	9	7	7	۵	7	٦.	4	~
		Fom	15	15	15	49	5/1	117	4/3	1 /1	35	52	37	36	37	39	42	43	47	117	64	13	15	15	15	5
		Ldm	6.0	7.0	7.0	8.0	10.01	5.5	13.0	15.0	15.0	17.5	16.5	10.017.0	185	12.0.20.5	2.9%	0.7%	14.0	11.0	8.5	7.0	7.0	6.0	7.0	6.0
		Vdm	d.0	4,0	4.5	5.0	475	5.5	2.5	* 'S'	*Q	9.0	* Oi	4,00	1.5	12.0	15.0	13,5	15 *Di	7.0	5.0	4.5	4.0	3.5	4.0	4.0
	_	7 _Q	17	7	و	4	17	7	h	2	2	0	7	15-	19	9/	15	13	11	4	7	7	y	7	8	7
	72	n _Q	~	7	4	t)	-3	~	5	7	10	6	9	91	24	76	15	73	15	~	3	h	æ	h	0	4
		Fam	199	100	79	hy	17	119	85	125	94	hh	てか	39	pp	hh	64	15	25	7.5	0%	19	44	19	199	64
		Ldm	5.5	9.0	0.01	5:21	70.5	135	19.0	19.5	19.5	4,3.0	17.0 42	17.5	* X.S.	24.5	17.5	-0 74°C	315	18.0	* /0.5	11.0	10.0	9.5	9.0	8.0
		Vdm	5.5	0.5	5.5		9.0	2.0	4.07/	11.0	11.0	6.0	*00	105	135	16.0 24.5	4/2.5	15.0	13.0 21.5	1/1.0	6.0	7.0	15	5.5	513	4.5
	ۍ ک	D'	17	12	w	9	4	4	9	10	10	11	0/	18	61	61	14	18	ne	8	4	4	7	2	4	2
(Mc)	2.	Du	Ą	4	1	3	~	b	1	00	N.	1	91	77	27	38	36	26	20	13	5	7	12	5	l)	3
5		Fam	73	73	73	75	75	73	65-	19	55	15	47	5 h	5.1	25	53	19	6.3	59	65	71	71	11	11	72
ncy		Ldm	/3.5	14.5	13.5	*	15:51	4.50	26.0	2.5	24.0	* 23.5%		\$ 0.9~	*- 23.0	27.0		26.0	22.5	4.55	0.9/	11.5	14,0	13.0	14.0	/3.5
Frequency		V _{dm}	8.5	2.5	7.5	* 9.0	8.0	/3.0	14,5	13.5	14.0	11.5	140	14.0	13.0	14.0	13.0	15.5	10.01	15.0	9.0	7.0	7.5	7.5	8.0 1	7.0 /
Fre	5	70	5.	9	4	* 9	9	15	12/	16	15/	7	2	81	15	19	16 %	20	10/	101	9	4	7	را	~	2
	. 495	٥	2	00	10	11	9/	191	/3	10/	0/	1/	18	17	161	17	20	8/	14	7	6	9	4	12	د۔	00
		Fam	201	901	101	161	ho!	100/	100	100	201	36	94	16	66	501	102	101	1001	96	62	86	102	103	201	154
		Ldm	15:5	14.0	14.5	16.0	16.5	18.0	34.5	10.40	26.0	* 27.0	26.5	26.0	230	160	23.5	23.5	_	235	20.0	14.0	14.0	13.0	/3.5	150 154
		Vdm L	10.01	0	8.5 19	9.0 1	9.5 11	9.5	14.0 >>	13.0 24.0	15.0 2		14.5 2	* * *	11.5 2	2.0.5	15.0 2	14.0	0.40 04.0	14:02	12.0 2	8.5	8.5 11	7.0 1	8.0 /	9.0 /
	160		8	7 9.	6 8	7 9	7 9	6 11	14 /1	11 11	10 1	8 16.	16 14	* 1/2	12 11	8	1/2/	12 11	10 12	1 9	2	4 8	12	6 7		15
	Ť	Du	72	7	9	8	000	9	08	9	1 9	9	1 9	10/	12/	14	12/	161	101	9	7	7	7	ħ	4	8
		Fam	129			681		129	127		127	127			127	15/	127 1	126/	127/	732	27/	23	12	125		
		dm		11.0 17.0 129	10.0 17.0 129		961 2.71 2.11	15/	40 1	16.0 JUG 0.27	3.0 //		751 0.5c 0.01	25.0 Jul. 0.251		13.0 21.0 125	20 1	15/	15/			521 0.81 211	15.0 125	145/1	9.0 14.0 127	11.0 165 127
		Dr Vdm Ldm	11.0 175	1.0 /	0.0	12.0 17.0	5 17	14.0 21.5	16.0 24.0	0.	14.0 23.0	0.46 0.51	٥,	10 34	14.0 21.5	3.0 2	10.5 17.0	12.0 175	12.5 185	12.0/8.0	11.5 18.0	5/2	9.5 1:	9.5 14	0 74	1.01
		De V.	7 11	6 11	6 10	5/ 12	7 11.	4/6	10 11	7 16	8	7 15	9/8	8 /5	5 14	10 13	0/8	7 12	8	5 12	5//	4 11	5 9	6 3	4	3 //
	.051	Du	w	5 6	5 6	ا ال	8	9	8 1		9		7 7	8	5 5/	10 11			10	7 5	5	2	4 5	9 9	7	7 3
			150	_		_		_		6 91		17 6		_		181	181	181				- 1				
		Vdm Ldm Fam		12.5 19.5 150	11.0 19.0 150	051 0.02 021	13.0 20.0 150	14.0 220 150	13.5 22.0 148	150 235 146	8/11 25 2351	15.022.5 147	15.0 230 146	14.0 22.5 146	140 21.0 145	130 195 148	11.0 175 148 14	10,5/165 148 12	10.0 15.0 148	9.0 14.0 145	9.5 14.0 145	11.0 16.0 144	10.0 16.0 146	19.5 19.0 146	8/11.018.0148	3 11.5 18.0 148
		lp- mj	13.0 19.0	.61 5	0 19	0 26	0.00	7	5 22	6 23	5 13	50.	50 23	0 22	0 21.	0 19.	0 17.	1/6	31 0	0 14.	5 14	9/ 0	0 16.	5 19.	0 18	5/18
		DX Vd	5 12	ننند												4 13	أنعند	_		4 9.			-			//
	013			9 7	2 4	2	4 9	4 9	6 4	6 4	h h	4 4	4 4	4	7	=	4 01	h t	6 2		m	7	7	3 4	4 3	5 3
		m Du	3			7								4	9 0	2 8		4 4		7	2		7			0 5
		Fam	2// 00	4/ 10	c2 /7x	03 172	LT/ 40	05 1/2	06/120	07 / 70	08 170	06/ 60	10 170	1/70	12 170	13 172	14 /72	15 174	16 172	17 1/2	18 170	19 170	20 170	21 170	22 170	23 170
(TS	71 "			-	0	0	Ó	~	ă	0	~	~			10	1.1	7	47	a)	1	w	0)	2	-	CA	177

 $F_{\rm dm}$ = median value of effective antenna noise in db above ktb $D_{\rm u}$ = ratio of upper decile to median in db $D_{\rm x}$ = ratio of median to lower decile in db $V_{\rm dm}$ = median deviation of average voltage in db below mean power $L_{\rm dm}$ = median deviation of average logarithm in db below mean power

* This sheet is a correction for corresponding sheet appearing in Tech. Note 18-7.

RN-13

14-54K-MROUS

TH-HOUR VALUES OF RADIO NOISE Frequency (Mich. 1982) 1. Co. 1.				Ε	5.0	14	0	0	5	4.5	5:5	5:0	0	2:5	7.0	6.0	٥	6.5	9.0	8.0	5.0	7,5	5.5	5.0	0	5.5	5:0	0
TH-HOUR VALUES OF RADIO NOISE Frequency (Not)	9			Jm Ld		کړ.ک ک	7:	0.7.0	6 5.5				0 5.0				7 0		O		_			سنند	5 4.0			5.0
TH-HOUR VALUES OF RADIO NOISE Sterior Balboa, Canal Zone Lot, 9.0 N Long, 79.5 W Month Nuty Long, 20, 20, 20, 20, 20, 20, 20, 20, 20, 20						~				<u>~</u>		_~	4	~										_~i		~		
TH-HOUR VALUES, OF RADIO NOISE Frequency Mc			20			9														-								
TH-HOUR VALUES OF RADIO NOISE Strict Balboa. Catal Zone Lot, 9.0 N Long 79.5 N Month Long 2, 5 N Long 10.0 N Lon	>																			_								
TH-HOUR VALUES OF RADIO NOISE Styling Balboa, Canal Zone Lit, 9.0 N Long, 79.5 N Long, 10.5 N Long,	Jul					~	≡	_		_						0 20			~		_		~	=		7	~	
TH-HOUR VALUES OF RADIO NOISE Styling Balboa, Canal Zone Lit, 9.0 N Long, 79.5 N Long, 10.5 N Long,	Ę			n Ldr		8.5	- 7.0	_						16.0		¥	* 29	* 16.0					_	=		=	io-	
TH-HOUR VALUES OF RADIO NOISE Storion Balloas, Canal Zone Lot, 9.0 N Long, 79.5 W Frequency (Mc) 2 4 426 56 56 56 57 1	Jon.			Vdr	U.U	5.0		2.5	5.6	2.4	6.0	والناف	9.0	10.0	*	* 0	*	*		7.0		5.0	4.0	ν, σ	4.0		4.0	
## HOUR VALUES OF RADIO NOISE Station Balboa, Canal Zone Lot, 9.0 N Long, 79.5 N Frequency (MC) 2.	_		10			7	7	7	7	9	べ	7				00			10			1	_	~	7	0	0	4
TH-HOUR VALUES OF RADIO NOISE Strict Pales Pale													_	_	14				`	_							_	
TH-HOUR VALUES OF RADIO NOISE Station Balboa, Canal Zone Lot, 9.0 N Station Palaboa, Canal Zone Pala						≡	==	==				7		34							95			5.5		=	7	5.5
TH-HOUR VALUES OF RADIO NOISE Station Balboa, Canal Zone Lot, 9.0 N Station Palaboa, Canal Zone Pala	1g. 7			Ldm	8.5		_					18.0		19.0		* 2	* 5			17.0		=				75	8.0	8.0
TH-HOUR VALUES OF RADIO NOISE Station Balboa, Camal Zone Laft 9.0 N Property Mol.	ار				15.0	5,0	5.0	0.5	5:0	5:0	7.0	10.0	9.5		* /3.0	42,5	13.5	13.5	11.0	* 0.0/	*0.	7.0	*	\$.0	5.5	*5	6.5	4,5
TH-HOUR VALUES OF RADIO NOISE Station Balboa, Canal Zone Lot. Frequency (MC) 103 105 104 105 105 105 105 105 105			ر ک	70	7	2	7	イ	4	べ	7	9	٠,	~	6	~	00		17	00	7	7	ィ	7	7	M	7	7
TH-HOUR VALUES OF RADIO NOISE Station Balboa, Canal Zone Lustralian (MC) 1013	9.0					7	7	4			7	4		_	17	81		27		7	==	11	6	4	_		8	4
TH-HOUR VALUES OF RADIO NOISE Station Balboa, Canal Zone Frequency (Mc)				Fam		≡	49	19						18	_		40					56	09	19	79		19	200
TH-HOUR VALUES OF RADIO NOISE Station Balboa, Canal 2 by Vam Lam Fam Du Do Vam Lam Fam Du Do				Ldm	10.0	11.0	11.0	10.5		11.0		19.5	18.5	+ 16.5	11.0		+ 10.5		21.0		*		12.0	10.0	10.0			
TH-HOUR VALUES OF RADIO NOISE 103 104 107 108 109 109 109 109 109 109 109	Zon			Vdm	5.5	6.0	6.0	6.0	2.5	6.5	2.6	10.5	11.5	₹2.	425	×,0	4 %	*0°	13.0	* 55	11.0	4.5	7.5	6.0	5.5	6.0	15.5	2:5
TH-HOUR VALUES OF RADIO NOISE Station Bathoa. 10.3			70	₹ _Q	7	4	7	4	4	ħ	00	8	7	15	þ/	11	ħ/	91	13	15	0/	8	9	5	Μ	ħ	7	~
TH-HOUR VALUES OF RADIO NOISE Station Balboa Frequency 1.03 Du DZ Vam Lum Fam Lum Fam Du DZ Vam Lum Fam Du DZ Vam Lum Fam Du DZ Vam Lum Fam Lum		Mc)	2	Du	ц	p	ベ	h.	4	4	9	8	11		22	91		20	25	23		30	_		3	h	4	7
TH-HOUR VALUES OF RADIO NOISE 1013 Presented by the control of t	oa,				71	11		73	73	_			5.5	374		54	53		9		19	5-6	_	70		11		71
TH-HOUR VALUES OF RADIO NOISE 1013 Presented by the control of t	3alb	ncy		Ldm	15.5	16.0	17.0	18.5	17.0	33.0	4.0.55	2,5	35.5	4.5	27.5	27.0	25,25	*335	34.0	0.55	220	4 vio	0.8/	135	15.0	145	0.4/	15.0
TH-HOUR VALUES OF RADIO NOISE 1013 Presented by the control of t	E L	ane		Vdm	8.5	9.0	0	10.0	10.0	12.5	*0.8	14.0	135	* /J.o	* /5.8	14.0	150	*	* 11.5	12.0	11.5	*	105	8.0	8.0	8.0	9.0	8.5
TH-HOUR VALUES OF RADIO NOISE 1013 1014 1015 1016 1017 1018 1018 1019	tati	Fre	70	20	9	9	9	15	6	13			14		19	20	90		12	11	13	10		6	12	9	9	2
7H-HOUR VALUES OF RADIO NOISE 013 014 02 V Vam Lam 051 160 017 018 019 019 019 019 019 019 019	ഗ		49			7	7	6	9	7	00			7		11	=		15	11			17		9	2	5	7
TH-HOUR VALUES OF RADIO NOISE 013 014 02 Vam Lam 051 160 160 160 170 180 180 180 180 180 180 18				Fam	106	101	106	hal	101	701	104	105	100	102	00/	85		106	110	109	105	100	96	100	707	hol	101	104
TH-HOUR VALUES OF RADIO Du D2 Vam Ldm Fam Du D2 Vdm Ldm Fam Du D2 3 4 125 160 150 6 4 110 180 129 5 4 3 4 125 160 150 6 4 120 160 129 5 4 3 4 125 160 150 6 4 120 160 129 5 4 3 4 125 160 150 6 4 120 160 129 5 6 3 4 125 160 150 6 4 120 160 129 6 5 4 3 4 125 120 180 152 6 6 120 160 129 6 5 6 5 7 16 16 120 150 1 145 18 120 180 129 18 18 6 4 165 120 120 189 8 160 120 189 18 12 7 4 16 120 120 180 180 180 180 180 180 180 180 180 18	SE				14.5	16.0	15.0	17.0	17.0	21.5	350	150	250	27.0	39.0	250	-5-hc	24.0	0.44	21.5	22.5		19.0	3.0	12.5	2.5	14.0	/3.5
TH-HOUR VALUES OF RADIO Du D2 Vam Ldm Fam Du D2 Vdm Ldm Fam Du D2 3 4 125 160 150 6 4 110 180 129 5 4 3 4 125 160 150 6 4 120 160 129 5 4 3 4 125 160 150 6 4 120 160 129 5 4 3 4 125 160 150 6 4 120 160 129 5 6 3 4 125 160 150 6 4 120 160 129 6 5 4 3 4 125 120 180 152 6 6 120 160 129 6 5 6 5 7 16 16 120 150 1 145 18 120 180 129 18 18 6 4 165 120 120 189 8 160 120 189 18 12 7 4 16 120 120 180 180 180 180 180 180 180 180 180 18	Ō			mp/	9.0			0.0		12.	14.5	14.0	4.0	0 %	17.0	× 0.7	14.0	14.0	13.0	12.5	3.5	13.5	11.5	%.0		8.0		8.0
TH-HOUR VALUES OF RADIC 1013 Du D2 Vam dam Fam Du D2 Vam Ldm Fam Da Vam Vam Vam Vam Vam Vam Vam Vam Vam Va			09	70	4			12		0/	=						/3						الأناف	7				
MTH-HOUR VALUES OF RA 1013 1013 1013 1014 1015 1015 1017 1017 1018 1019 1	ğ		-		5		7	9	4	7	9	00	00	9/	10	00	0	14	14	14	0/		7	00	7	4	7	7
MTH-HOUR VALUES OF 1013 1013 1013 1013 1014 1015 1015 1017 1018 1019	R A			Fam	129	129	131	129	/31	/33	131	129	129	127	127	127	127	125	131	129	129		725	725	125	127	127	129
MTH-HOUR VALUES. C 1013 1013 1013 1013 1014 1015 1015 1017 1018 1019	H_			Ldm	18.0	17.0	18.0	19.0	19.0	× /2/	23.0	25.0	240	Sha	27.0	25.0	23.0	20.0	30.0	180	16.5	17.0	17.5	0.9/	16.0	15.0	15.0	16.0
MTH-HOUR VALUES 1013 1	0			Vdm	11.0	11.0	0.61	125	12.0	35	15.0	16.0	145	16.0	17.0.	16.0	Shi	13.0	13.0	13.0	11.5	0.11	13.0	50	0.0/	10.0	0.07	0.0/
MTH-HOUR VALL 1013 101	ES		-	70	4			h				_		12		10	8	h	00	=	=	=		_	7			7
MNTH-HOUR VAM Lam Fam Du DL Vam Lam Fam Pau DL Vam Lam Pau PL Pau Pau PL Pau Plan Pau PL Pau Plan Pau PL Pau Plan Pau Plan Pau Plan Pau Pl	آ		. 05	Da	9	4	9	h	9	h	5	8	00		10	01	8		1.	11	00	14	6	00	9	7	9	7
MTH-HOUR 1013 m Du DL Vam Lam 1013 m Du DL Vam Lam 2 5 4 120 1800 3 3 4 125 320 3 3 4 125 330 1 6 14 125 335 1 7 1 16 120 120 3 6 4 15 2335 1 7 4 16 0 240 3 6 4 16 5 233 1 7 4 16 0 240 1 1 1 5 15 15 1 1 4 10 15 15 1 1 4 10 15 15 1 1 4 10 15 1 1 4 10 15 1 1 1 10 15 1 1 1 10 15 1 1 1 10 15 1 1 1 10 15 1 1 1 1 10 15 1 1 1 1 10 15 1 1 1 1 10 15 1 1 1 1 10 15 1 1 1 1 10 15 1 1 1 1 10 15 1 1 1 1 10 15 1 1 1 1 10 15 1 1 1 1 10 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$			Fam	150	150	53	451	15.2	154	152	150	149	150	146	146	146	146	15.2	151	150	146	146	14/6	8/11	8/1	8/11	251
MTH-HOU NATH-HOU NATH-HOU NATH-HOU NATH-HOU NATH NATH NATH NATH NATH NATH NATH NATH	œ			шp	8.0	9.0	0.02	0.0	// ٥٠/۲	٥٠.6	13.0	13.5	4.0	0.7°	255	0 .hr	13.0	7.5	7.5	7.0 /	5.0	5.0	4.5	4.0	14.5	5.5	15.0	16.0
H-H-NO 1013	00			Vdm L	2.0 1	2.5	3.0	3.0 0	3.5	4.0	5.0	15.2	6.0	5.03	6.5	6.0%	5.0 2	1.5	1.0 /	11.0 //	10.01	9.0	9.0	9.5/	10.01	15.0	0.01	10.0
NATH OF THE STATE	Ī		~	170			_				خنگ			4				_						_			المحمد	7
Z E M M M M M M M M M M M M M M M M M M	IH		013	_					_	_			=												_		\rightarrow	2
O I I I I I I I I I I I I I I I I I I I	N			Fam	172	173	_	_				7/ 1	173 5	173 8	173	169	591	, 121	173	173 /		173		171	17/	171	171	1/1
MON (LST) and Hour (L	Ĭ	(TS	ג (ר		_		02	03 /	04 /	05 /	/ 90	07		60	10	-		13/			/ 91		81		20		22	23

Fam = median value of effective antenna noise in db above ktb

 D_D = ratio of upper decile to median in db D $_{K}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

* This sheet is a correction for corresponding sheet appearing in Tech. Note 18-7,

Station 1
NOISE
F RADIO
VALUES OF
TH-HOUR
MONTH

09 61 Month August Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W

Fig. 10.3 Fig. 10.2 Fig.	ر ا		Ε	5.0	S	4.0	4.6	2.5	3.0	70	1,0	6.0	2.9	6.0	رْءَ	1,1	٥	J:5	25.5	20	6.0	1,5:0	15	2:5	1.6)	
Fig. 9. We will find the find		1	lm.Ldm		t 4.		0			2.5.3	75.5	٥			2. 1	5.6.5	.0 7.C	0		_	_	=	c 45	7	′,	C 4.C	
Fig. 0. 10 Van War Fig. 0. 10 Van War Van War Fig. 0. 10				بن			N)	. /					رب		7,							=	==			-,	
Fig. 0. 12 Van		20	_				, N								7												
Fig. 0. 12 (a) $\frac{1}{2}$ (b) $\frac{1}{2}$ (c)						-																_					
Frequency (MC) 10 10 10 10 10 10 10 1						30				=	=			_		_		=				=		=			
Colorador Colo			Ldn				النائن	_						_	16.5	* 5	_	_				=	=				00
The color of the			Vdn		#10	15.2	1.9	7.	*,,		5.9	2.	*2	10.7	10.0	* 5	7.0	7.0	6.5	3.5	4.5	4.5.	4.0		4.6	**	1,2
The color of the		0		رر.	7	ત	2	1	00	4	7	9	00	2				7		4	h	7	~	7	7	- 1	0
Frequency (Mc) 1. 160 2. 5 1. 160 2. 5 1. 160 2. 5 1. 160 2. 5 1. 160 2. 5 1. 160 2. 5 1. 160 2. 5 1. 160 2. 5 1. 160 2. 5 1. 160 2. 5 1. 160 2. 5 1. 160 2. 5 1. 160 2. 5 1. 160 2. 5 1. 160 2. 5 1. 160 2. 5 1. 160 2. 5 2. 5 1. 160 2. 5 2. 5 2. 6 2. 6 2. 6 2. 6 2. 6 2. 6 2. 6 2. 6 2. 6 2. 6 2. 6 2. 6 2. 6 2. 6 2. 6 2. 7 2.												21	7	hi		_	76							3			
Color Colo				50	49	84	48	47	46		=						38				_	35	5.4		~)		
From Out 2013 From O			Ldm	0.0	_	9.0			9.0		17.0				* 5.4°		_	_				N.C	7.0	*>0	9.0	9.0	
Final Out of Yorkin Lam Fam La					5.0	5.0	6.0	5.5	5.0	6.0	16.8	1.0	*//5/	* 5	* J.	* 6 S	*	10.0	10.0	6.5	5.0	5.5	4.0	* 4.5	2.5	5.0	4.5
Fina Ou 2, Van Lum Fina Ou 2, Van Lun Fina Ou O 2, Van Hum Fina Ou O 2,	1	10	70	8	_	3	イ	I	4	9	14	70	10			۲,	14	17	101	11		75	17	4	74	1	-1
Fig. 01 St. Vam Ham Fam. Du. D.Z. Vam Ham. Fig. 02 Vam Ham. Fig. 03 Vam Ham. Fig. 03 Vam Ham. Fig. 03 Vam Ham. Fig. 04 Vam Ham. Fig. 05 Vam Ha		-4.1			\sim	~	~	8	h	3	-9	2	7	5	7	75	~:	11	_	14	14	100	0		-1-	,× ,	
Fig. 01 St. Vam Lam Fom Du. D. Vam Lam Pom Du. D. Vam Lam Du				63	79	14			42	=		46	3/1		33						1.1	, ,	- 3		111	.)	
Fin Do Dg Yen Len Fun Du Dg Yen Len Fun			L-dm	10.0	11.0	11.0	0.17	10.5	11.0	15.5	165	* 1	* /0.0	* 16.0	*/9.0	* 2.0	4		* 20.0x	40.61	* 16.C		Q.C	75.5	9.5	9.6	7.5
Fin Do Dg Yen Len Fun Du Dg Yen Len Fun			Vdm	6.0	6.0	6.0	6.0	5.5	6.0	8.5	* "	*200 V1	7.0	00 00 00 00 00 00 00 00 00 00 00 00 00	13.0	* 16.5	135,	11.5	* //.5′	_	* 10.0	5.5	45	5.0	5.5	5.0	5.0
Cold		٦.	Za	3	2	ħ	6	9	∞	12	7	19	12	15	13	/3	11	22	18	15	٦/	9	~	~	7	ħ	4
1013 160 1495 160 16	VC)	2		9	9	9	7	73	3	6	15,	61	44	26	44	29	38	28	77	30	20	10	9	7	7	~	9
Frequency 013	{		Fam	-9			72	1/	72	64		47	42		42		42	54					68	20	70	70	10
Frequency of the part of the p	ncy		Ldm	13.5	12.5	14.5	14.5	17.0	19.0	21.0	72.5	20.0	22.0	* 23.5	21.0	\$6.0	45.0	24.0	*330	22.5	* 15.0	13.0	15.0	11.5	12.6	12.0	13.6
The	ane		V _{dm}		6	8.0	8.0	9.0		* //.0	11.5	11.01		12.0	120	4,5	13.5		14.0	12.0				2.0	6.5		
The color of the	Fre	95	2	m		ox.	11	5	20	28	3,	25	حري	he	17	Ŧ		7	/3	6	2	2	7	9	9	5	72
1013		4	۵	_	5	11	12	14	19	14	13	14	16	17	10	36	16	13	16	18	14	//	10	10	11	∞	4
150			Fam	201	_	104	401	201	96	98	66	86		_	91		16.0	104		96	76	ih	102	104		501	104
1013				12,5	14.0	14.5	14.0	17.0	19.5	230	* * * *	25.5	23.0	25.56	23.0	23.0	21.0	215	0.6	×/.67	21.5	18.0	13.5	13.0	12.0	13.0	13.0
Fam Du Dz Vam Lam Fam Du Dz Vam Lam Fam Du Dz 171 8 5 95 160 150 8 4 100 160 129 6 8 171 4 6 110 170 150 6 6 105 150 129 6 8 171 6 5 120 175 150 7 7 95 150 129 6 8 172 5 7 120 175 150 7 7 95 150 129 6 8 173 5 7 120 170 150 8 16 175 129 129 1 15 173 5 7 120 170 150 8 16 175 129 129 1 15 174 8 9 135 300 150 7 17 110 160 127 129 1 15 175 6 7 130 20 179 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			mp/	8.0	8.0	0	8.0	100	11.0	12.5	13.5	12.5	12,5	14.5	14.0	14.0	3.0	13.0	14.0	14.5	13.5			0.8	==	0.0	
Fam Du Dk Vam Lam Fam Du Dk Vam		0	2	7	>∞		_	-	13		_		_	31		17	16			\rightarrow			1	∞.	9	2	
Fam Du Dz Vam Lam Fam Du Dz Vam Lam 71 8		91.	a	0	9	0	7	000	_				5					=	17		15	6	00	Q	~		
Fam Du Dz Vam Lam Fam Du Dz Vam Lam 71 8			Fam	129	129	129	130	129	127	129	801	125	127	126	181	100	127	126	(23	123	101	123	125	127	127	127	127
Fam Du Dk Vam Lam Fam Du Dk Vam 71 8					15.0	15.5	16.5	(7.0	0.0	1.5	O.EC	23.0	13.5	125	0.12	20.02	17.5	145	18.5	18.0		16.0	7.0	5.5		3.0	13.53
Fam Du DL Vam Lam Fam Du Du Vam Lam Fam Du DL Vam Lam Fam Du Du DL Vam Lam Fam Du Du Du DL Vam Lam Fam Du Du DL Vam Par Du Par Du Par Du Par Du Du Du DL Par Du Du Du DL			Vdm	10.01	5.0/	75.6	9.5	10.5	0.//	14.5	14.0	140	14.0	14.0	13.5	3.0	10.5	9.0	11.5	12.5	10.0	10.0	11.0 11	10.01	9.5	4.01	9.c
Fam Du DL Vam Lam Fam Du Du Vam Lam Fam Du DL Vam Lam Fam Du Du DL Vam Lam Fam Du Du Du DL Vam Lam Fam Du Du DL Vam Par Du Par Du Par Du Par Du Du Du DL Par Du Du Du DL		-	ZO					10	=	191			7	11	%		11	9	2								
71 8 5 5 6 1.50		0.5	Du	=	9	1				=			_	_	_			17		10		2	7	9	9	\rightarrow	8
Fam. 013 171 8 04 02 171 8 6 6 6 6 7 173 6 6 8 8 6 7 173 6 7 8 8 7 173 7 6 7 8 8 8 174 7 7 7 7 8 8 8 177 7 7 7 8 8 8 8 8 7 177 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8			Fam	150	150	150	3.5	150			841		76	hhi	hhl	441		1,50				941	147	34	841	84	841
Fam. 013 171 8 04 02 171 8 6 6 6 6 7 173 6 6 8 8 6 7 173 6 7 8 8 7 173 7 6 7 8 8 8 174 7 7 7 7 8 8 8 177 7 7 7 8 8 8 8 8 7 177 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8			=		7.0		9.0	19.0		0.3	1.0		151	1.0	6.0	0.0	8.5	30	5.0	3.0 /	35	4.0 1	4.0	5.0	1.0.5	451	6.0
Fam. 013 171 8 04 02 171 8 6 6 6 6 7 173 6 6 8 8 6 7 173 6 7 8 8 7 173 7 6 7 8 8 8 174 7 7 7 7 8 8 8 177 7 7 7 8 8 8 8 8 7 177 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8			/dm L	1.5	1.0 /	3.0 /	1.0.1	3.6	3.5	3.0 %	3.5 2	4.0	5.7 2	~ 0%	4.0 %	3.0	3.0/	1.5- 1	1 2.0	7,5 1	1.0.1	1.0.	1, 0, 1	C.C 1.	1.6 /	10%	10.01
To the transfer of the transfe		3	170	_	_					_					_	_	4 1		التائن	التناف	اعتناها		_				
177 173 3 173 173 173 173 173 173 173 17		0.1																		=							5- (
				11		17,	_	73					_										59	_			1/
	(TS	۱ (۲	<u> </u>							/ 90							_	نجيب		_							23 /

 F_{am} = median value of effective antenna noise in db above ktb D_{u} = ratio of upper decile to median in db $D_{\mathcal{K}}$ = ratio of median to lower decile in db V_{dm} = median deviation of average voltage in db below mean power L_{dm} = median deviation of average logarithm in db below mean power

* This sheet is a correction for corresponding sheet appearing in Tech. Note 18-7. RN-13

USCOWALNPS-PL

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

			Eb-	0.9	14.5	1.5	13.0	-2.0	6.0	0.8	5:5
) (0		00	l mb/	0.0	8.0	0.0	6.0	.55.	1,5,	1,5-	12.
0)		-24	100	5-1	+	1.5	2	4 5	4 4	3 4	7-
		2000-2400		,	7	7	9	9	7	*	-5
Ma		200	E	12	7	2	- 1	9	٦	6	6
اً:			F	1/6	1,4	0 10	0 /6	5	9	7	6
Арл		0	m L dr	7/5:	17.0	0 18.	99	7	10.0	8.0	2,2
		1600-2000	\ \ \ \ \ \ \ \	25.	10.0	10.	10.0	6.5	5.5	4,5	5.0
Mar		7-6	Z	η	2	2	-	8	5	7	~
		009	Du	٠,	>0	10	10	13	00	7	7
Sedson Spring (Mar. Apr. May) 19 60			Farr	166	140	119	9	55	53	47	30
Spri			-dm	17.0	19.0	0.1%	23.0	0.//	13.5	12.0	20%
on o		000	V _{dm}	0.0	11.0	11.5	12.5	6.5	1,50	7.0	4.5
seas	(T	91-	De	7	7	13	16	15	1	7	\sim
0)	(LS	-00	Da	7	0/	15	16	2	20	12/	00
Station Balboa, Canal Zone Lat. 9.0 N Long. 79.5 W	TIME BLOCKS (LST)	0800-1200 1200-1600	Fam Du De Vamitam	167	142	2.0 13.0 10 10 10 20.0 11 4 12 15 13.0 24.0 118 15 13 11.5 21.0 19 10 9 10.0 18.0 11.0 1 051 0.51 0.11.5	2.0 14.0 100 8 13 13.0 04.0 98 12 23 14.0 25.0 100 16 16 12 52.0 98 10 11 10.0 180 101 6 6 6.0 13.0	45	5.0 9.0 57 5 6 6.5 11.0 36 13 11 8.0 14.0 38 20 11 8.5 13.5 5.3 8 5 5.5 10.0 62 4 4 4.5 8.0	36	5.0 ab 4 3 25 4.0 25 6 4 3.5 6.0 29 8 3 45 70 30 4 3 30 55 29 5 4 3.5 5.5
9.5	0		d u	8.0	1.5.	4.0	5.0	5.5	4.0	x,0	0.0
-	B	8	dm L	1.5/	3,0	3.0	4.07	9.0 1	8.0	7.0 /	3,5
-ong	IME	-12(De	5 /	1	15	73/	15	-	7	4
1	Н	0	n	2	0 /	7	~	16	/3	00	9
Z		080	Ę	n	37	7	00	3	e	2	7,
9.6			F	9/	0 /3	1/0	0	7	<i>C</i> .	2	8
to.		0	n L dr	5 /7.	0 18.	20.	2.4	15,	1/4	2,0	4.0
		980	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \	0,	10.	11.0	/3.	9.6	8.	,3	2.5
one)-(a	7	12	0/	13	>>∞	9	7	~
1 Zc		400	O	2	10	0/	20	7	2	3	*
Cana		0000-0400 0400-0800	Fam	165	141	120	100	49	57	44	26
a,		0	Ldm	17.0	16.0	13.0	14.0	12.0	9.0	2.5.	5.0
lbo		400	Vdm	5.01	9.0	7.0	7.0	6.0	5.0	5.0	3.0
Ba		0-0	JO	7	ری	9	9	9	12	4 4 5.0	~
ion		200	۵	~	7	6	10	e	7	*	9
Stat		Ŏ	Fam	165	144 7 5 9.0 16.0 141 10 5 10.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0	123	102 10 6	69	62	48	27 6 3 3.0
			Frequency (Mc)	. 013	150.	091.	495	2.5	1-5	10	07

Fam = median value of effective antenna noise in db above ktb

 $D_{\boldsymbol{u}}$ = ratio of upper decile to median in db $D_{\boldsymbol{\mathcal{L}}}$ = ratio of median to lower decile in db

V_{dm} = median deviation of average voltage in db below mean power

Ldm = median deviation of average logarithm in db below mean power

RN-14

USCOMM-NBS-BL

** No data for March.

 * This sheet is a correction for corresponding sheet appearing in Tech. Note 18-6,

SEASONAL TIME-BLOCK VALUES OF RADIO NOISE

			Ldm	16.0	15.0	13.0	13.5	9.0	7.5	7.0	5.6
9 6		2000-2400	Vdm	10.0	95	8.0	7.5	5.5	4.5	4.0	3.5
-		1-2	De	7	5	9	7	~	3	8	4
1g.		000	na	7	2	9	7	7	7	~	7
Season Summer (June July Aug.) 1960		2(Fam	171	148	127	104	11	49	50	30
11y			Ldm	14.5	17.0	145	18.0	14.5	9.5	7.0	5.5
Į.		000	Vdm	9.5	11.5	12.0	10.01	8.5	6.0	4.5	3.5
ne		-20	De	~	9	00	200	5	5	~	7
Ju		00	na	7	6	10	7	13	00	15	12
ner		1600-2000	Fam	171	146	124	49	63	5.8	84	32
um			mp-	0.8/	19.0	33.0	345	20.5	2/.0	14.0	6.5
S no		000	/dm	11.5	0.0/	13.5	13.5	11.5	0.0	9.0	45,
eas	(T	91-	De	n	00	=	16	91	14	9	7
0)	(LS	00	٥	1	7	3	17	26	74	16	4
W	TIME BLOCKS (LST)	0800-1200 1200-1600	Fam	172	841	126	102	53	94	40	3
9.5	100		Ę.	25.0	0.40	15,5	0.40	15.0	0.61	15.0	0.9
3.7	E III	8	-dmb/	15:0	15.0	145	3.0	9.0	11.0	9.0	4.0
On	MI	-12	00	15	6	18	00/	14	/3	9	7
		8	20	9	00	0	15	18	17	11	00
Canal Zone Ldt. 9.0 N Long. 79.5 W	-	08	dm Fam Du De Vdm Ldm	85 172 6 6 140 210 170 6 5 150 20 5 172 7 3 115 180 171 4 3 9.5 145 171 4 4 100 160	7.0 150 7 10 135 210 147 8 9 150 240 148 12 8 120 19.0 146 9 6 115 170 148 6 5 95 15.0	90 130 129 7 14 120 21 0 1 8 145 255 126 13 11 13.5 230 124 10 8 120145 127 6 6 8.0 130	47	49	7	8.0 45 4 4 6.0 9.0 35 11 6 9.0 15.0 40 16 6 9.0 14.0 48 5 3 4.5 7.0 50 3 2 4.6 7.0	3.5/5.0 27 7 3 3.0 4.5 27 8 3 4.0 6.0 31 12 4 4.5 6.5 32 5 4 3.5 5.5 30 4 4 3.5 5.6
t. 9			-dm	0./2	0./x	3/.0	1.5	4.5	0.0	9.0	4.5
2		8	V _{dm}	0.41	35,	12.0	11.5	0.0	7.0	6.0	3.0
- 33		Ö	DR	9	101	14	16	00	12	7	~
one		0400-0800	na	9	~	2	7	9	4	7	1
nal Z		0	Fam	172	150	129	102	89	90	45	27
		(18.5	17.0	15.0	15.0	10.5	8.0	8.0	3.0
004,		400	V _d m	0.61	11.0	9.0	8.5	0.9	5.0	5.0	3.5
Balk		0000-0400	DR	7	12	~	9	+	~	~	7
ion		000	na	2	9	9	0	7	3	76	12
Station Balboa,		ŏ	Fam Du De Vam	172 4	150	129	105	72.	49	50	29
	-		Frequency (Mc)	. 813	. 051	, 160	495	2.5	15	10	30

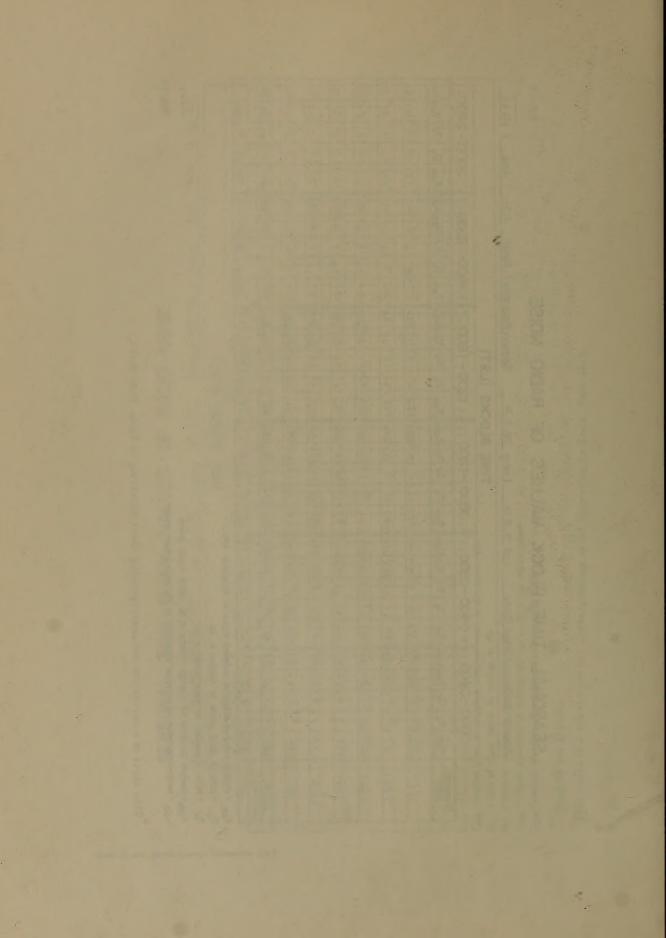
am = median value of effective antenna noise in db above ktb

Du = ratio of upper decile to median in db

O. = ratio of median to lower decile in db

-dm = median deviation of average logarithm in db below mean power V_{dm} = median deviation of average voltage in db below mean power

* This sheet is a correction for corresponding sheet appearing in Tech. Note 18-7.





THE NATIONAL BUREAU OF STANDARDS

The scope of activities of the National Bureau of Standards at its major laboratories in Washington, D.C., and Boulder, Colorado, is suggested in the following listing of the divisions and sections engaged in technical work. In general, each section carries cut specialized research, development, and engineering in the field indicated by its title. A brief description of the activities, and of the resultant publications, appears on the inside of the

WASHINGTON, D.C.

Electricity, Resistance and Reactance. Electrochemistry. Electrical Instruments. Magnetic Measurements. Dielectrics, High Voltage.

Metrology. Photometry and Colorimetry. Refractometry. Photographic Research. Length. Engineering Metrology. Mass and Scale. Volumetry and Densimetry.

Heat. Temperature Physics. Heat Measurements. Cryogenic Physics. Equation of State. Statistical Physics. Radiation Physics, X-ray. Radioactivity. Radiation Theory. High Energy Radiation. Radiological Equipment. Nucleonic Instrumentation. Neutron Physics.

Analytical and Inorganic Chemistry. Pure Substances. Spectrochemistry. Solution Chemistry. Standard Reference Materials. Applied Analytical Research. Crystal Chemistry.

Mechanics. Sound. Pressure and Vacuum. Fluid Mechanics. Engineering Mechanics. Rheology. Combustion

Polymers. Macromolecules: Synthesis and Structure. Polymer Chemistry. Polymer Physics. Polymer Characterization. Polymer Evaluation and Testing. Applied Polymer Standards and Research. Dental Research.

Metallurgy, Engineering Metallurgy, Microscopy and Diffraction, Metal Reactions, Metal Physics, Electrolysis

Inorganic Solids. Engineering Ceramics. Glass. Solid State Chemistry. Crystal Growth. Physical Properties.

Building Research. Structural Engineering. Fire Research. Mechanical Systems. Organic Building Materials. Codes and Safety Standards. Heat Transfer. Inorganic Building Materials. Metallic Building Materials.

Applied Mathematics. Numerical Analysis. Computation. Statistical Engineering. Mathematical Physics. Operations Research.

Data Processing Systems. Components and Techniques. Computer Technology. Measurements Automation. Engineering Applications. Systems Analysis.

Atomic Physics. Spectroscopy. Infrared Spectroscopy. Far Ultraviolet Physics. Solid State Physics. Electron Physics. Atomic Physics. Plasma Spectroscopy.

Instrumentation. Engineering Electronics. Electron Devices, Electronic Instrumentation. Mechanical Instruments. Basic Instrumentation.

Physical Chemistry. Thermochemistry. Surface Chemistry. Organic Chemistry. Molecular Spectroscopy. Elementary Processes. Mass Spectrometry. Photochemistry and Radiation Chemistry.

Office of Weights and Measures.

BOULDER. COLO.

Cryogenic Engineering Laboratory. Cryogenic Equipment. Cryogenic Processes. Properties of Materials. Cryogenic Technical Services.

CENTRAL RADIO PROPAGATION LABORATORY

Ionosphere Research and Propagation. Low Frequency and Very Low Frequency Research. Ionosphere Research. Prediction Services. Sun-Earth Relationships. Field Engineering. Radio Warning Services. Vertical

Radio Propagation Engineering. Data Reduction Instrumentation. Radio Noise. Tropospheric Measurements. Tropospheric Analysis. Propagation-Terrain Effects. Radio-Meteorology. Lower Atmosphere Physics.

Radio Systems. Applied Electromagnetic Theory. High Frequency and Very High Frequency Research. Frequency Utilization. Modulation Research. Antenna Research. Radiodetermination.

Upper Atmosphere and Space Physics. Upper Atmosphere and Plasma Physics. High Latitude Ionosphere Physics. Ionosphere and Exosphere Scatter. Airglow and Aurora. Ionospheric Radio Astronomy.

RADIO STANDARDS LABORATORY

Radio Physics. Radio Broadcast Service. Radio and Microwave Materials. Atomic Frequency and Time-Interval Standards. Radio Plasma. Millimeter-Wave Research.

Circuit Standards. High Frequency Electrical Standards. High Frequency Calibration Services. High Frequency Impedance Standards. Microwave Calibration Services. Microwave Circuit Standards. Low Frequency Calibration

